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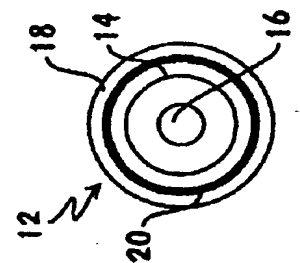
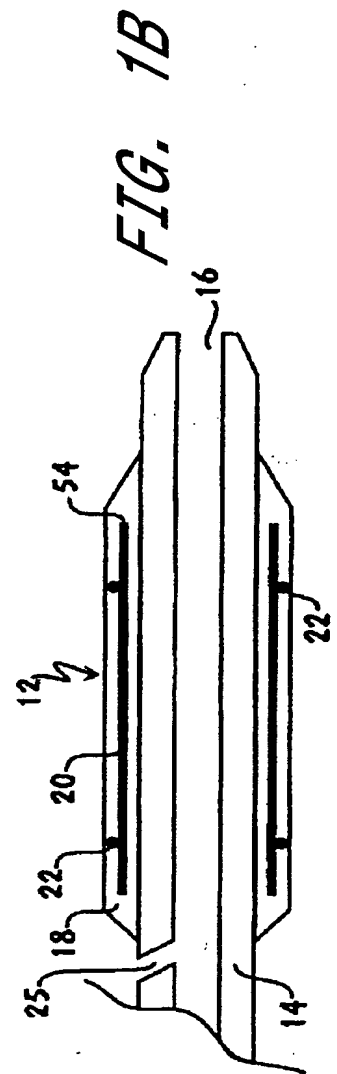
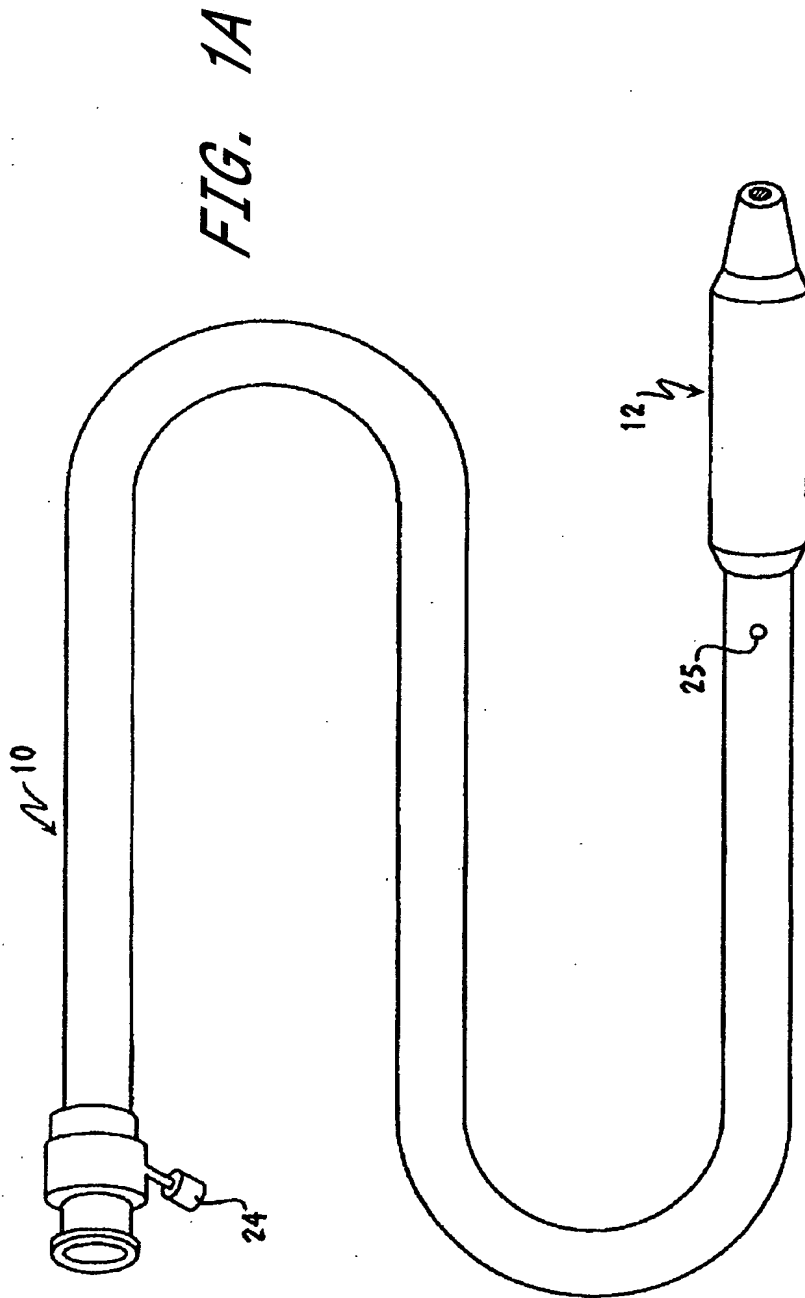
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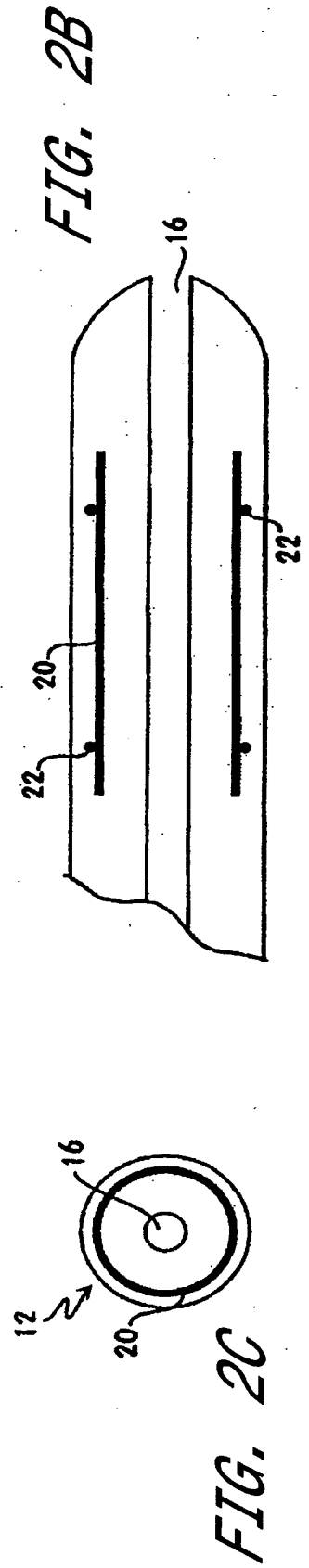
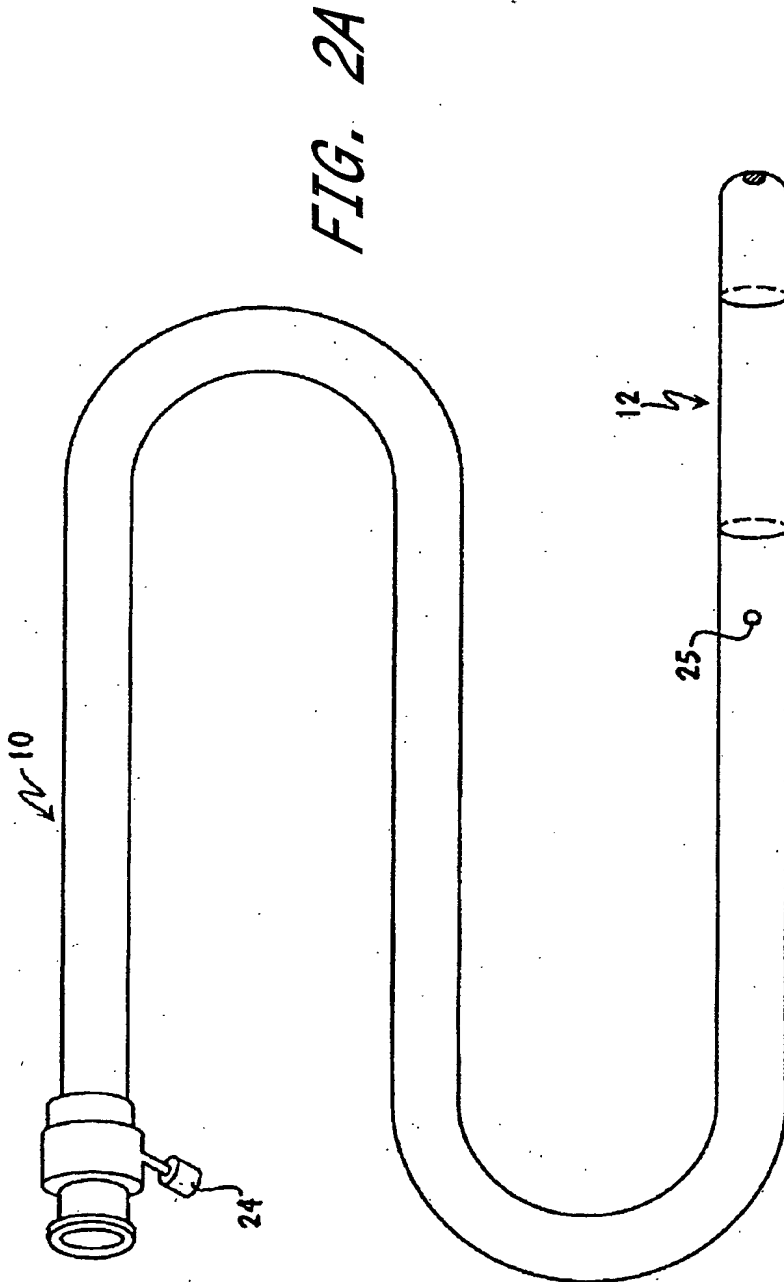
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DELIVERY OF THERAPEUTIC COMPOSITIONS USING
ULTRASOUND

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FIG. 3A

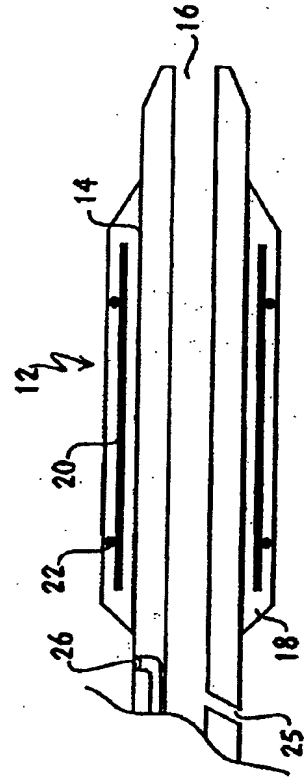
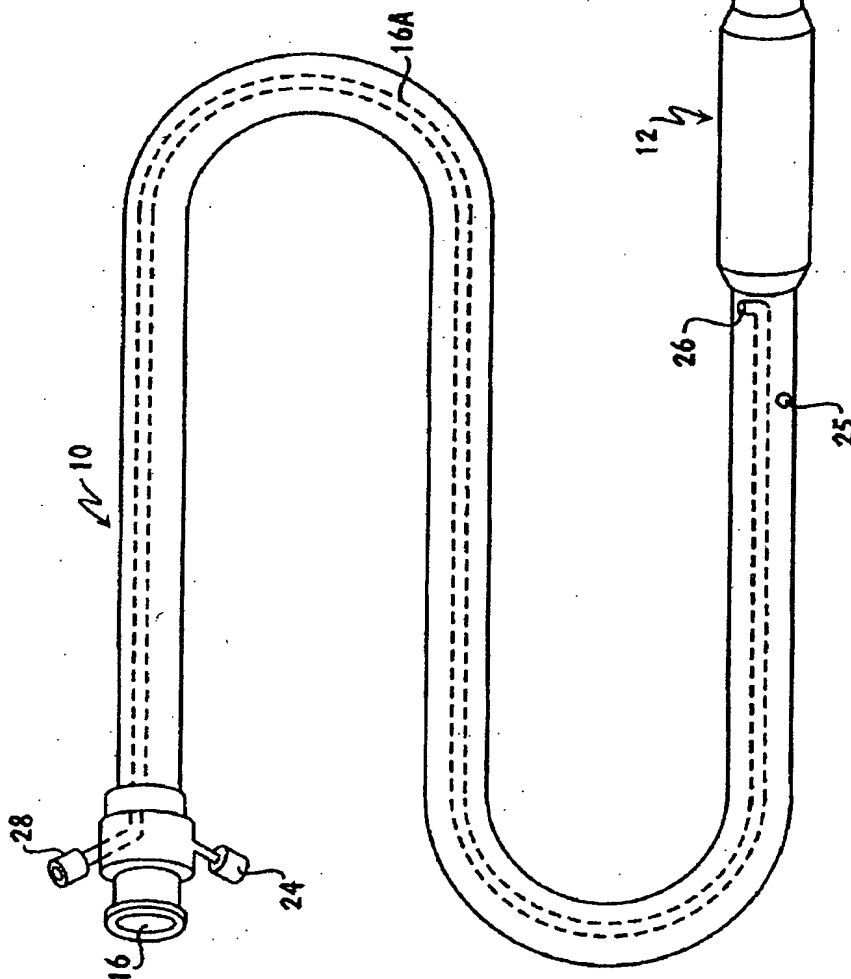


FIG. 3B

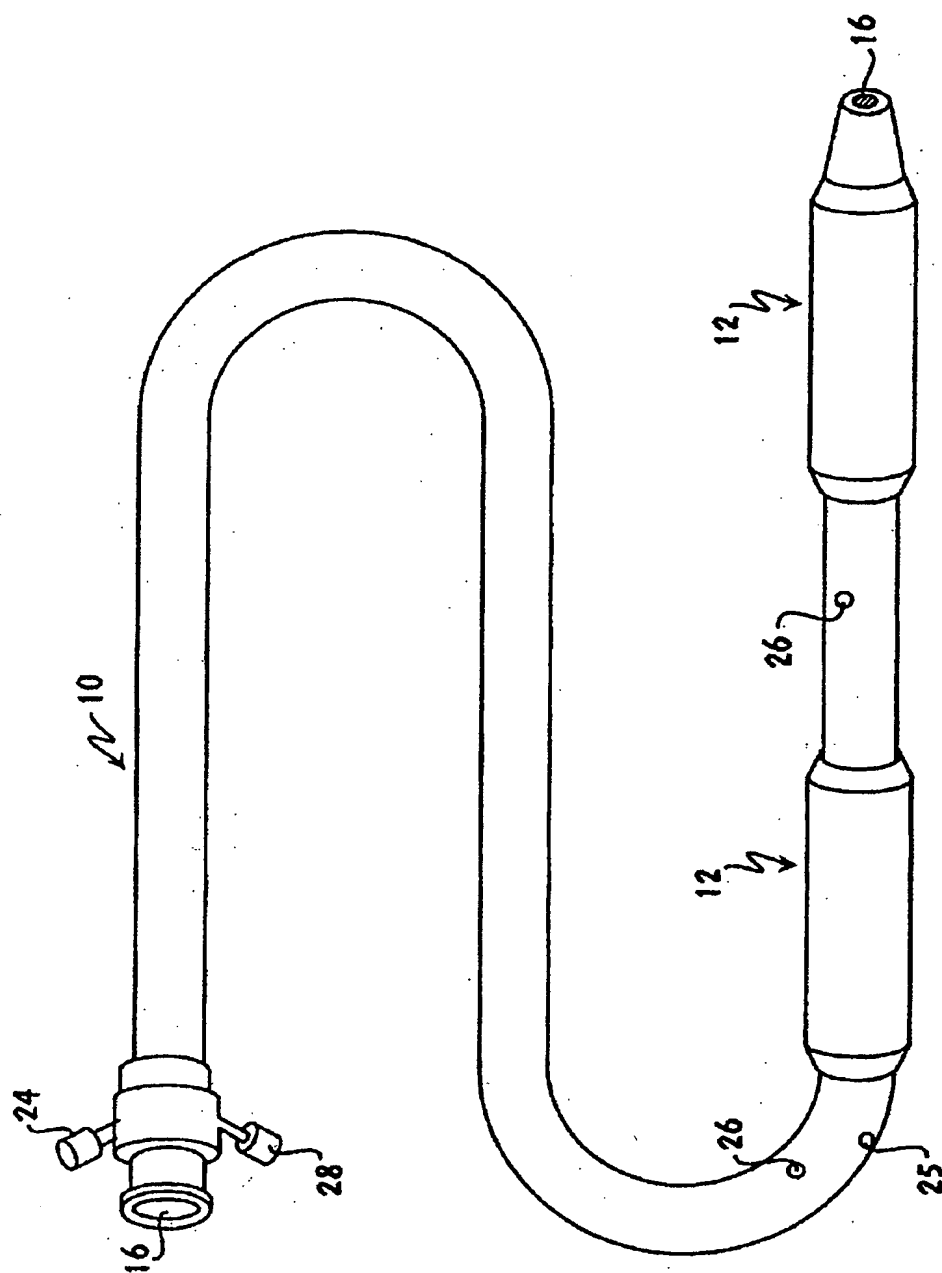
DELIVERY OF THERAPEUTIC COMPOSITIONS USING
ULTRASOUND

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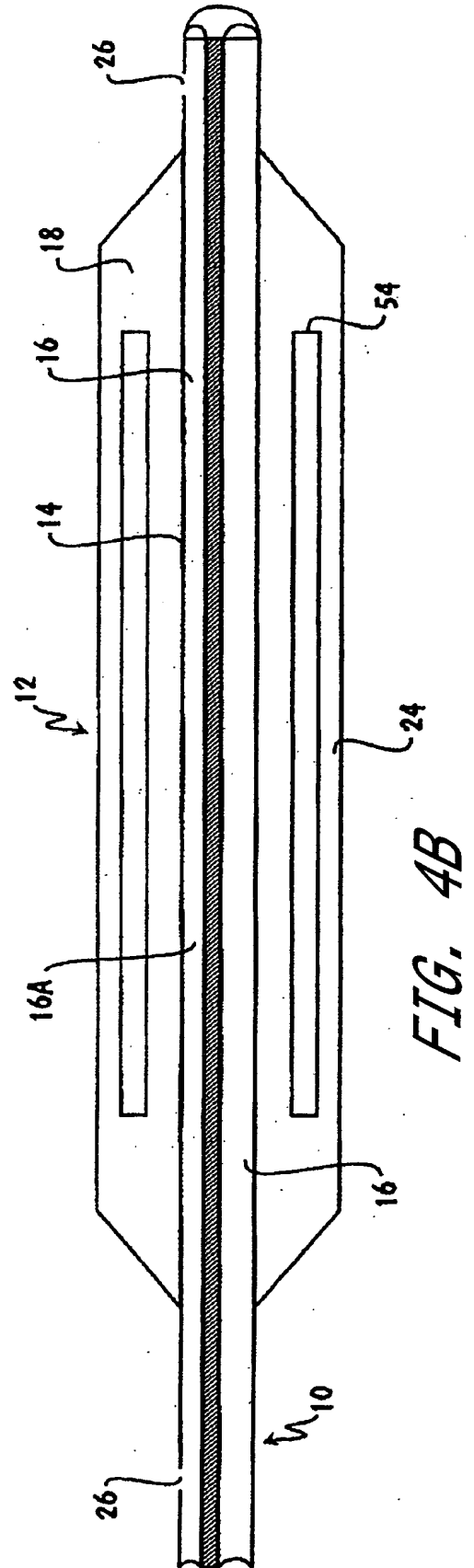
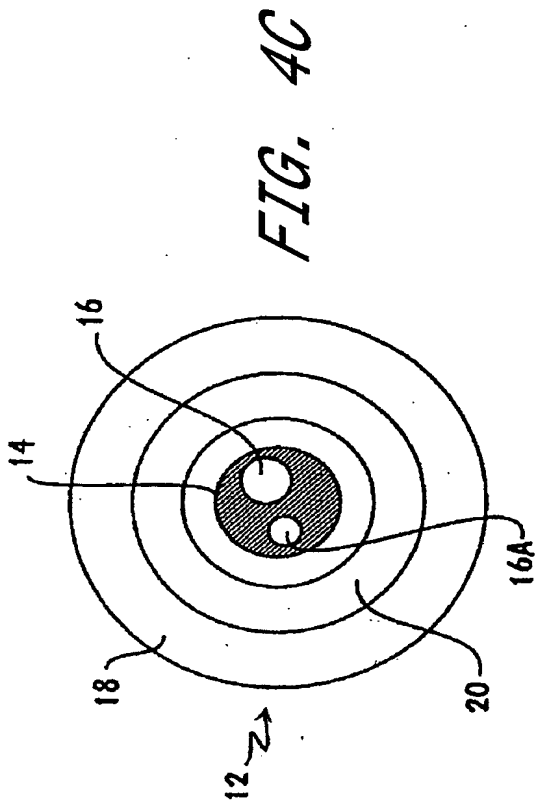
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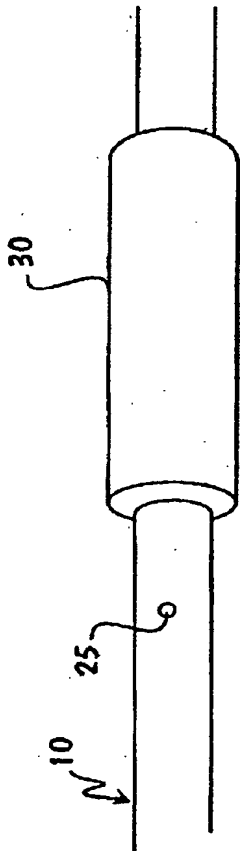


FIG. 5A

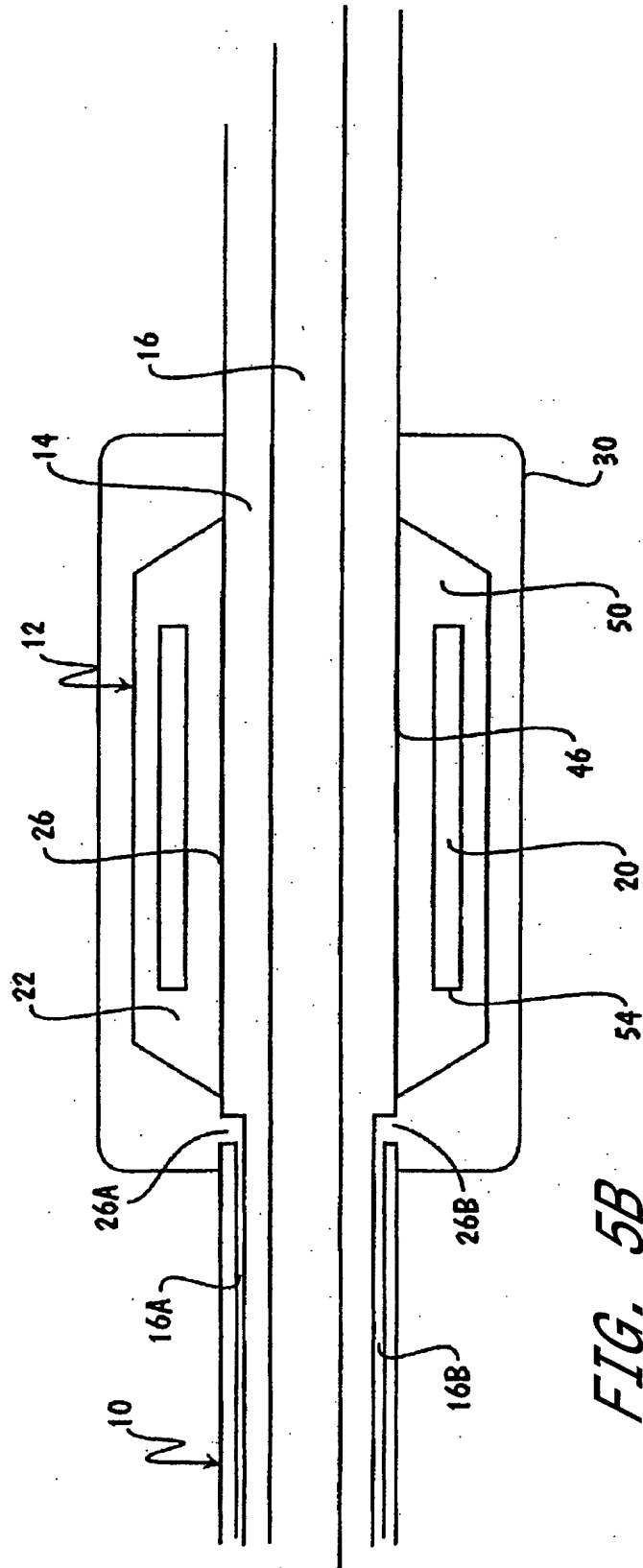
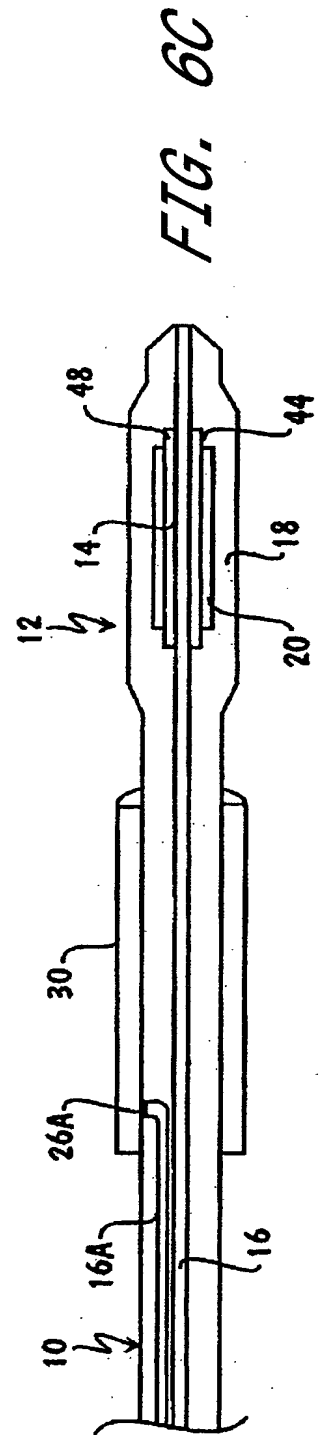
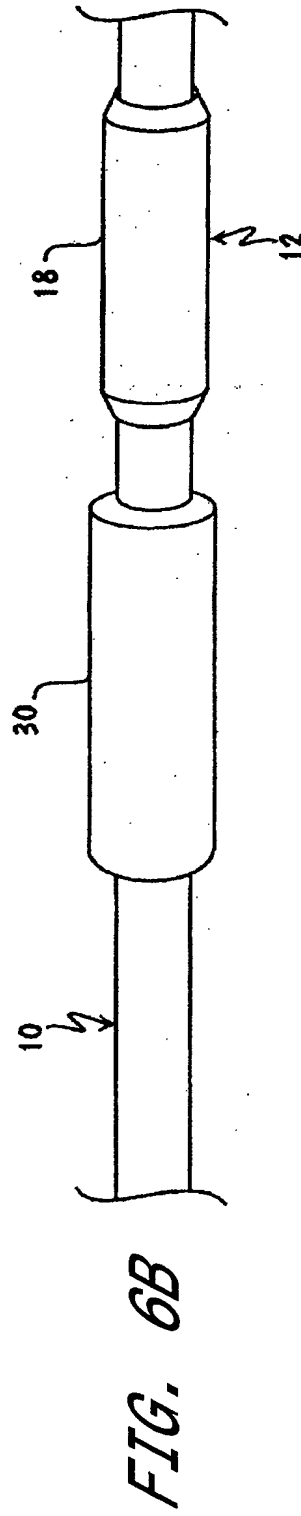
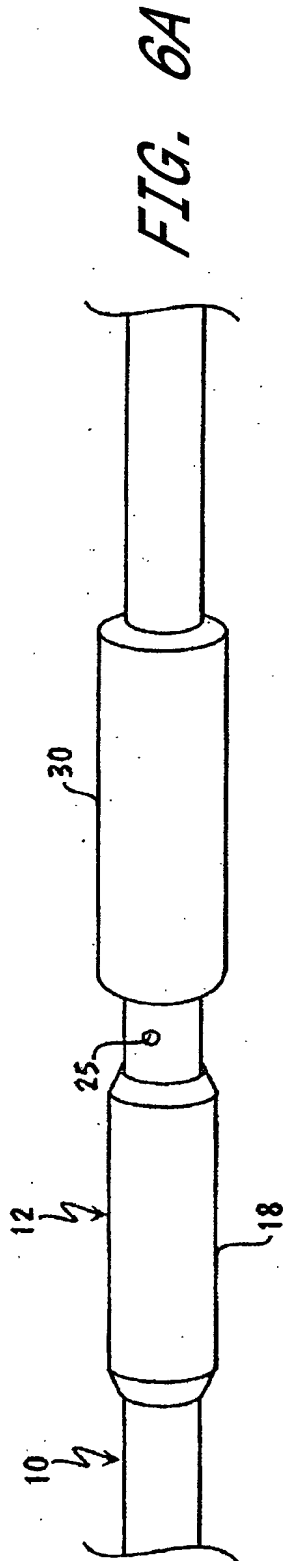
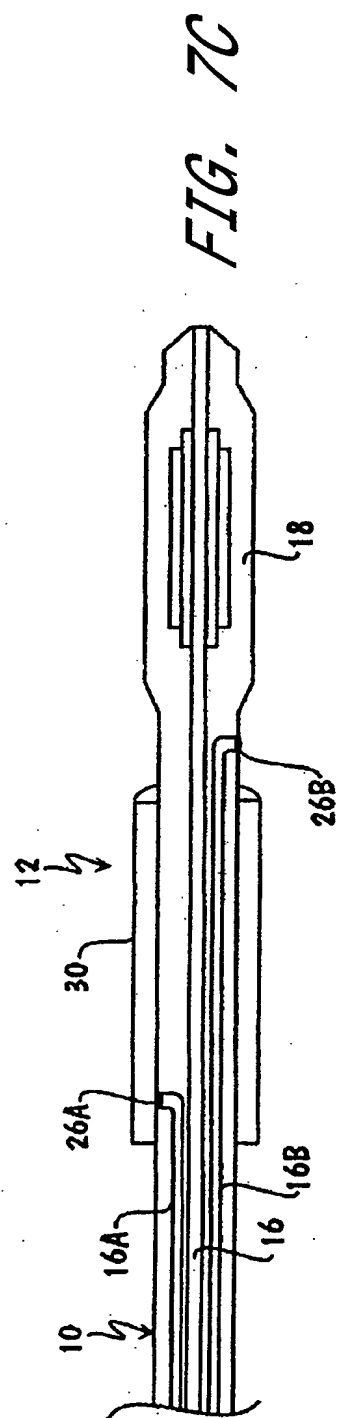
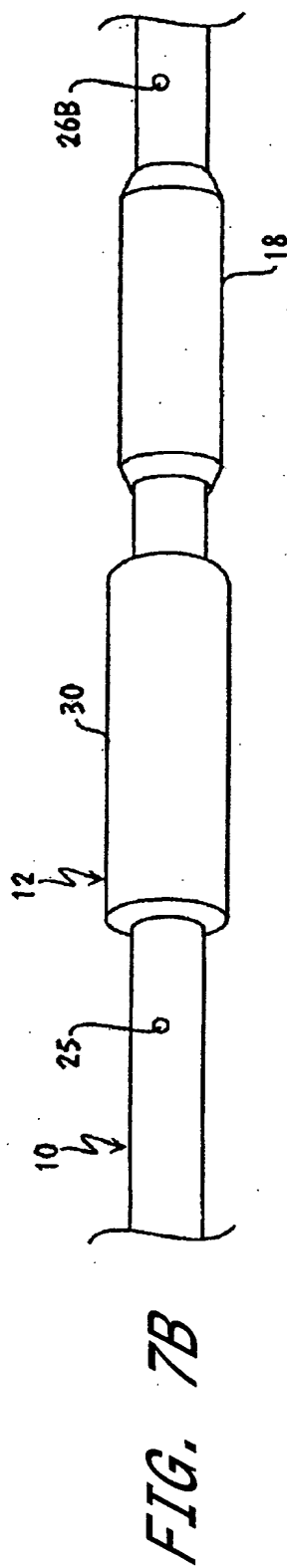
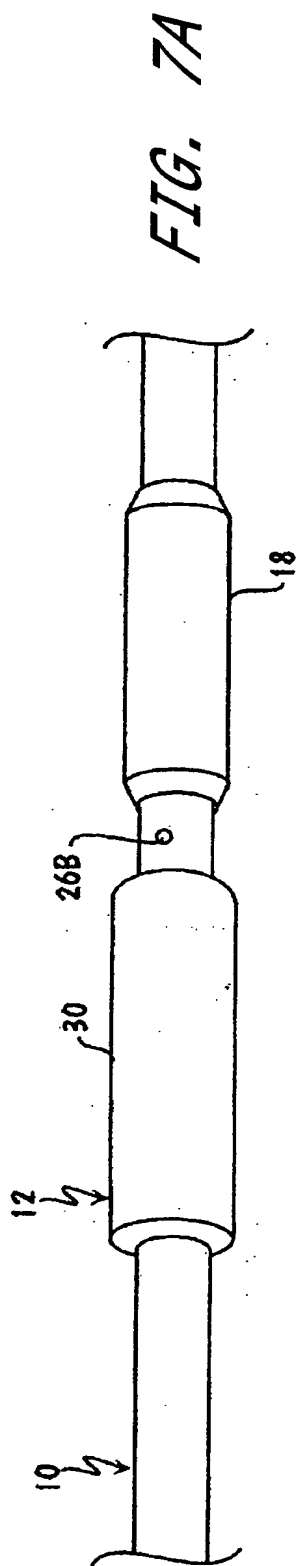


FIG. 5B

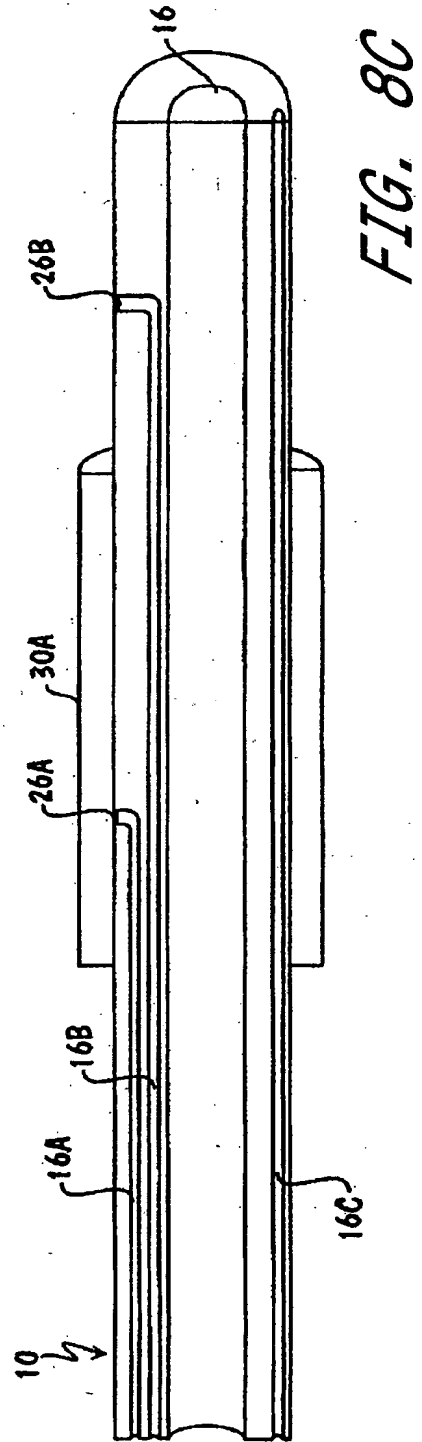
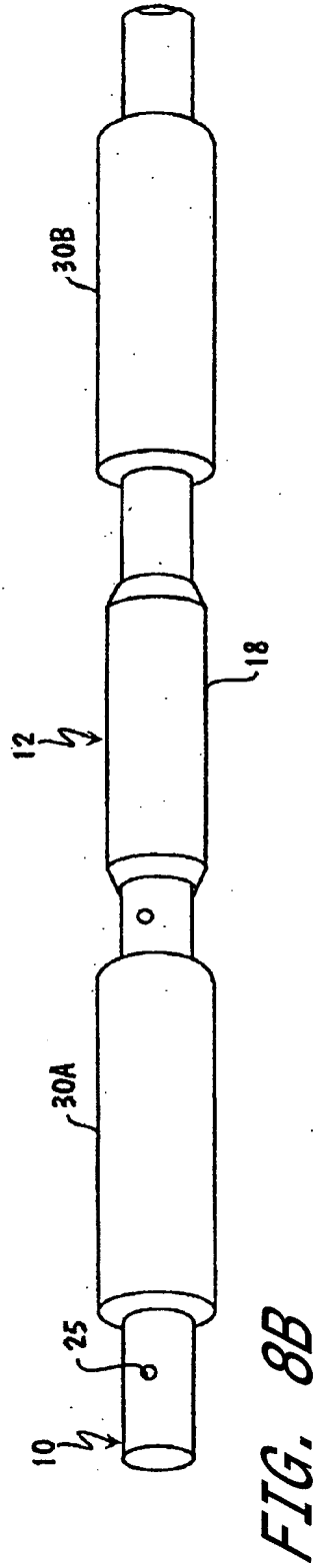
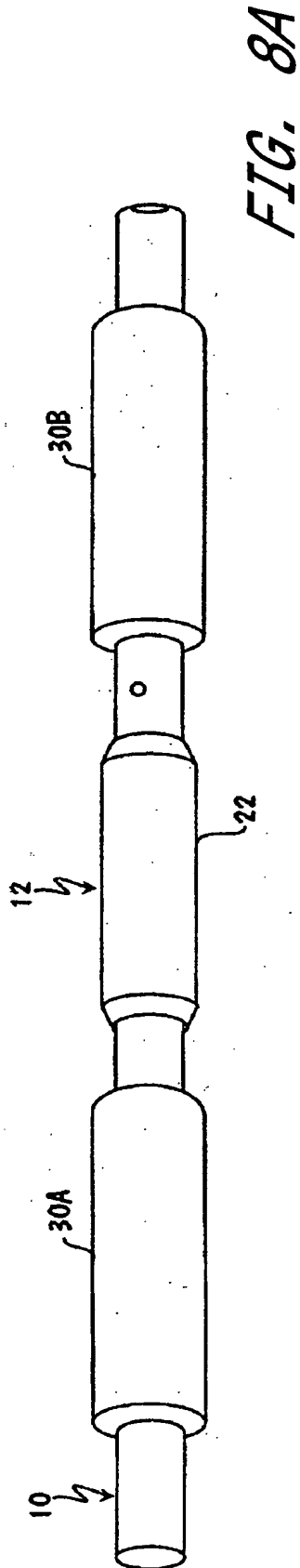
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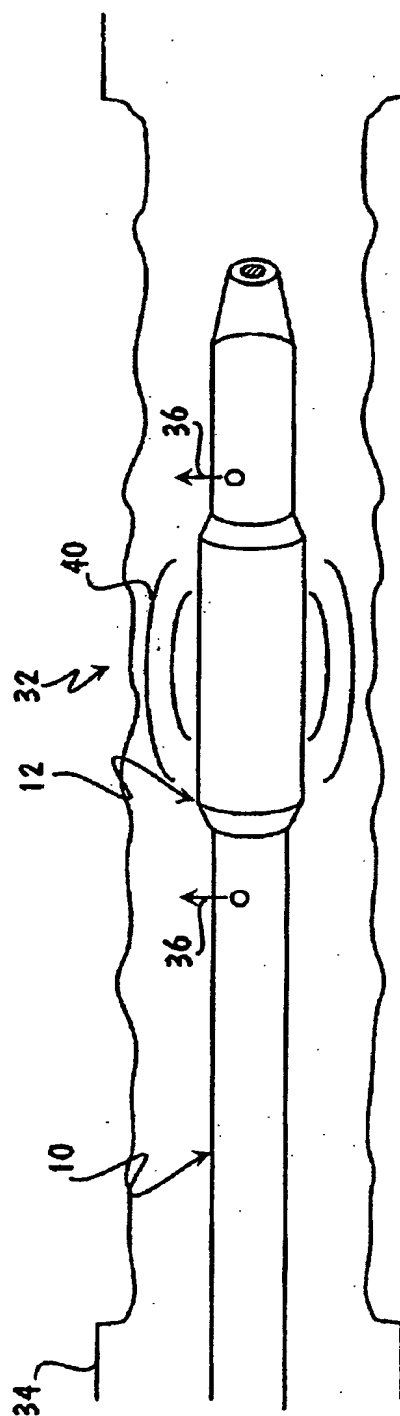
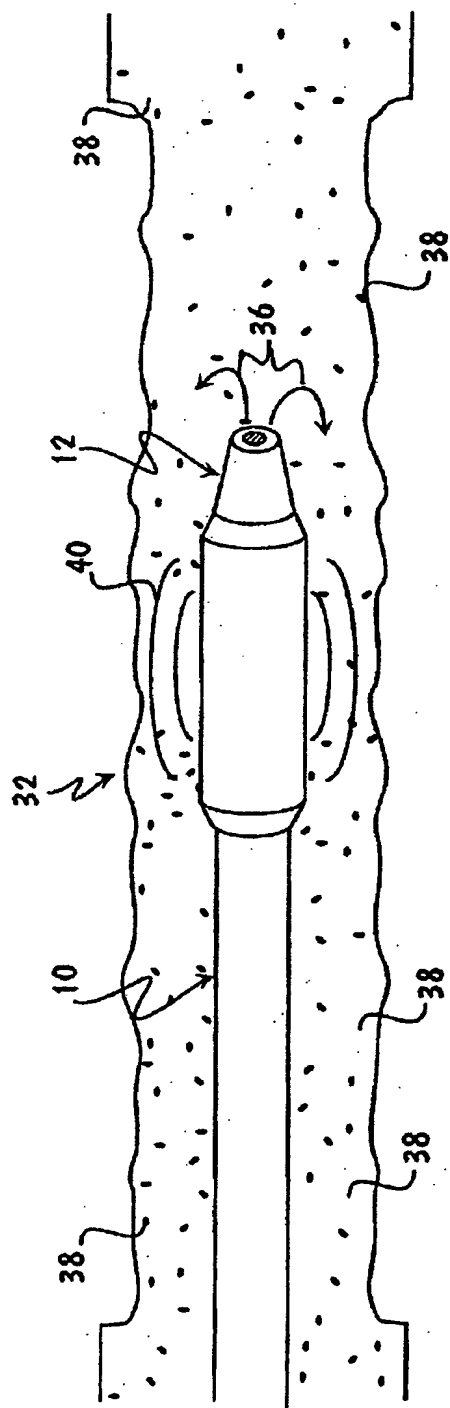
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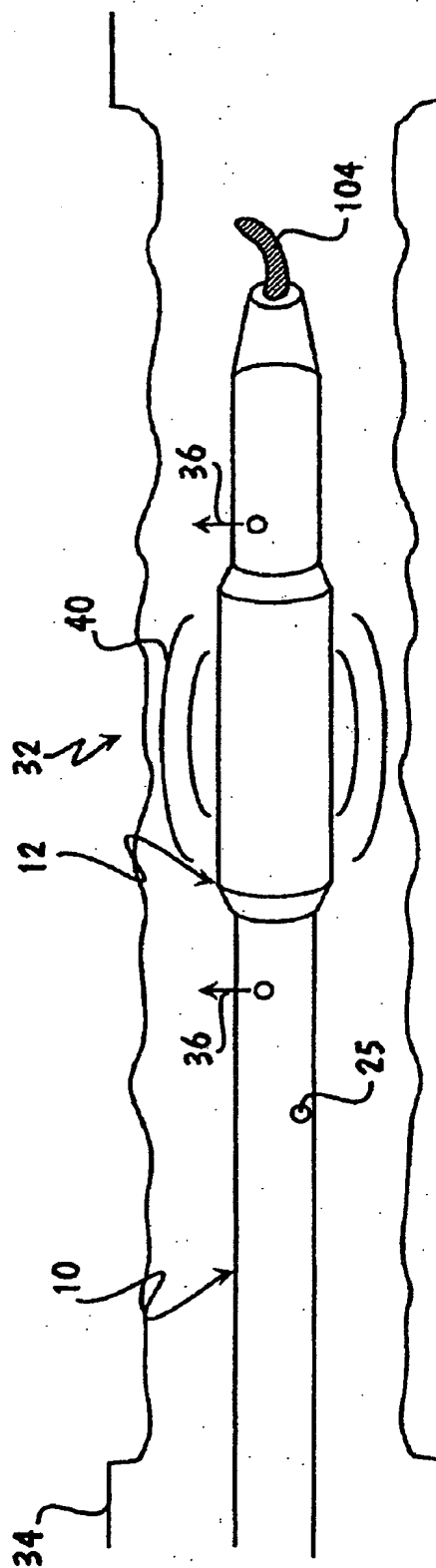


FIG. 9C

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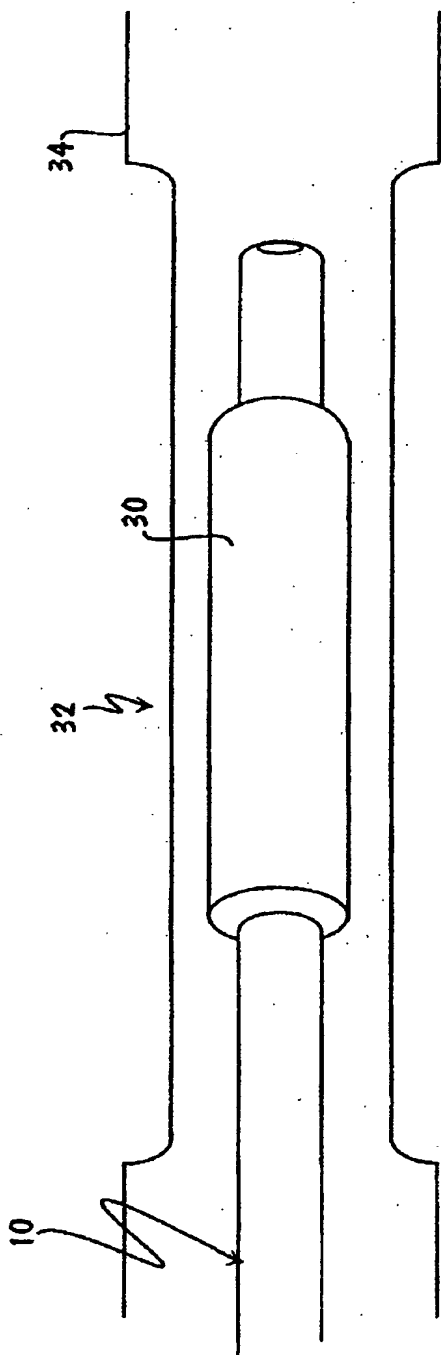


FIG. 9D

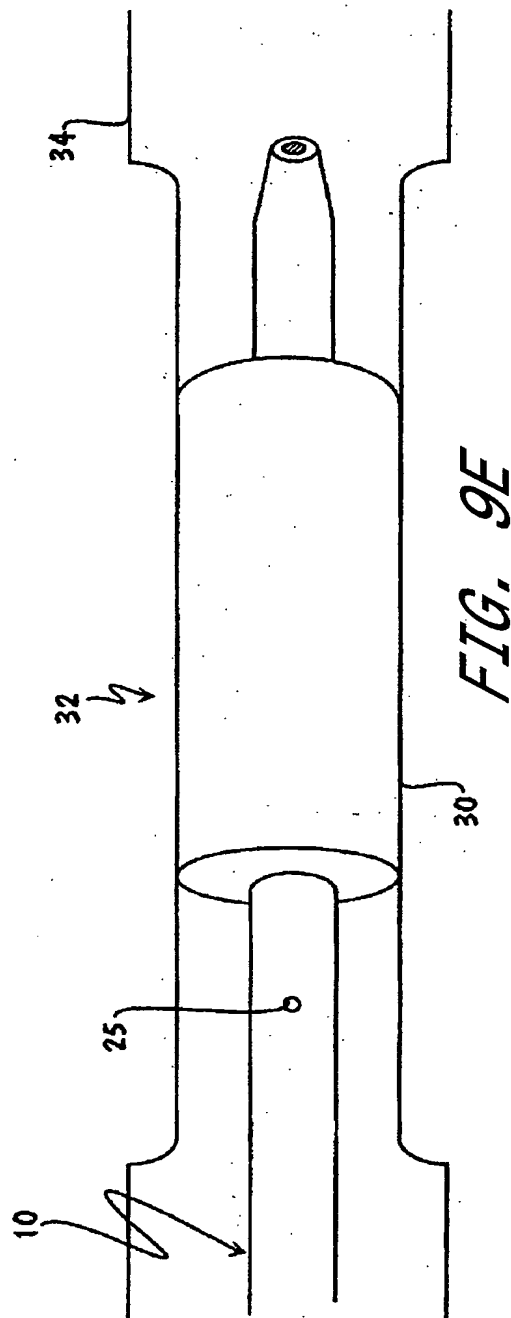


FIG. 9E

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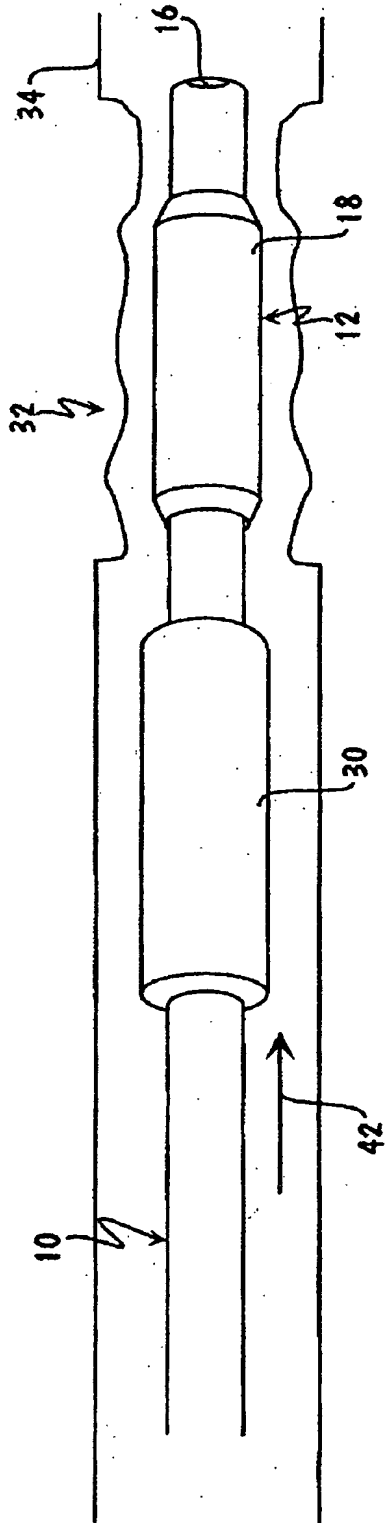


FIG. 9F

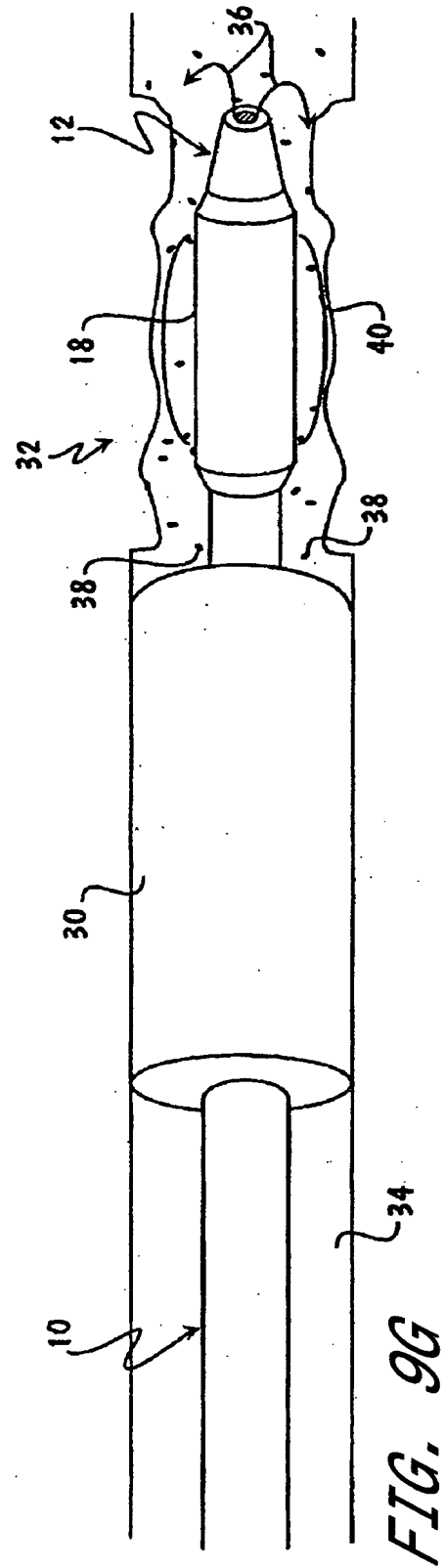


FIG. 9G

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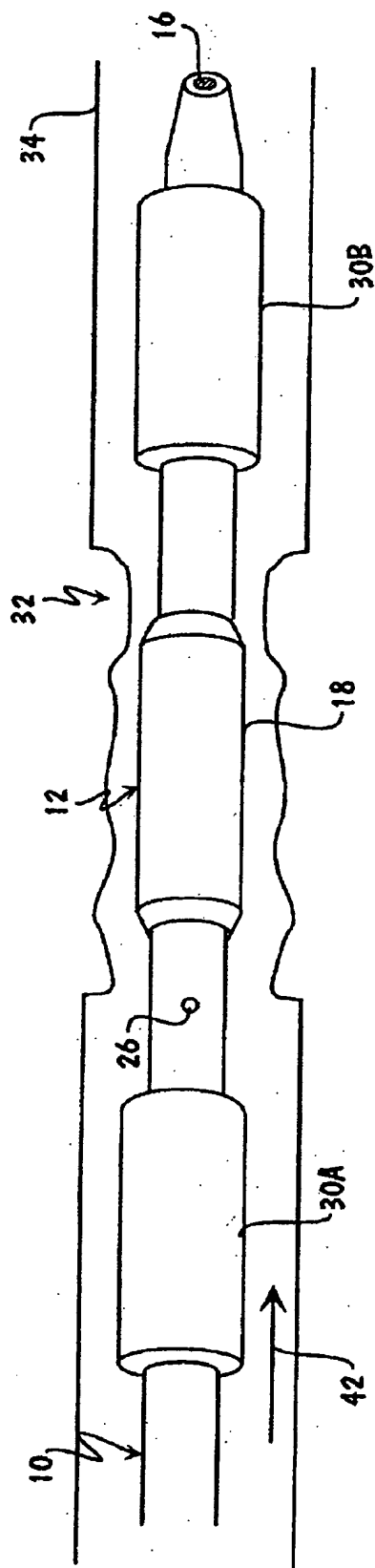


FIG. 9H

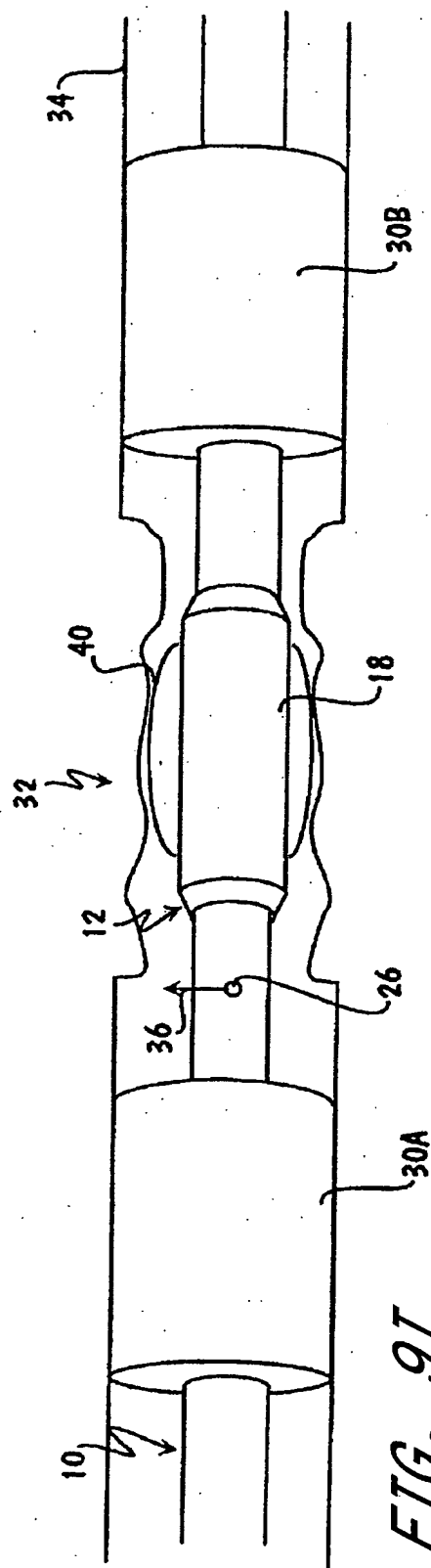


FIG. 9I

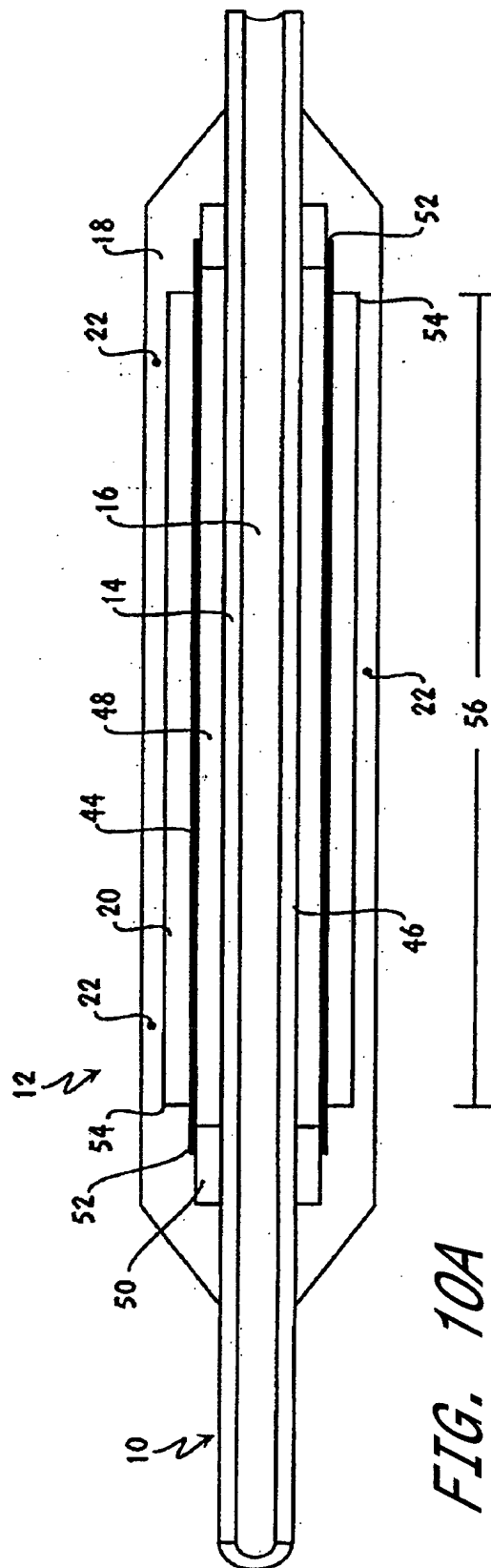
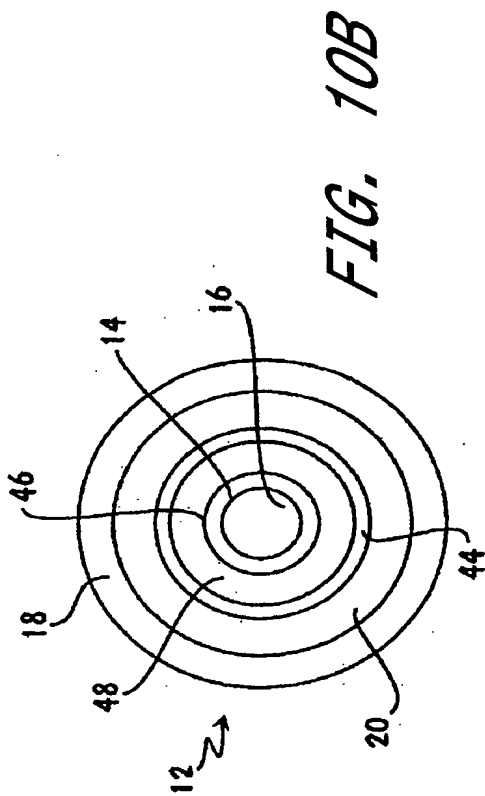
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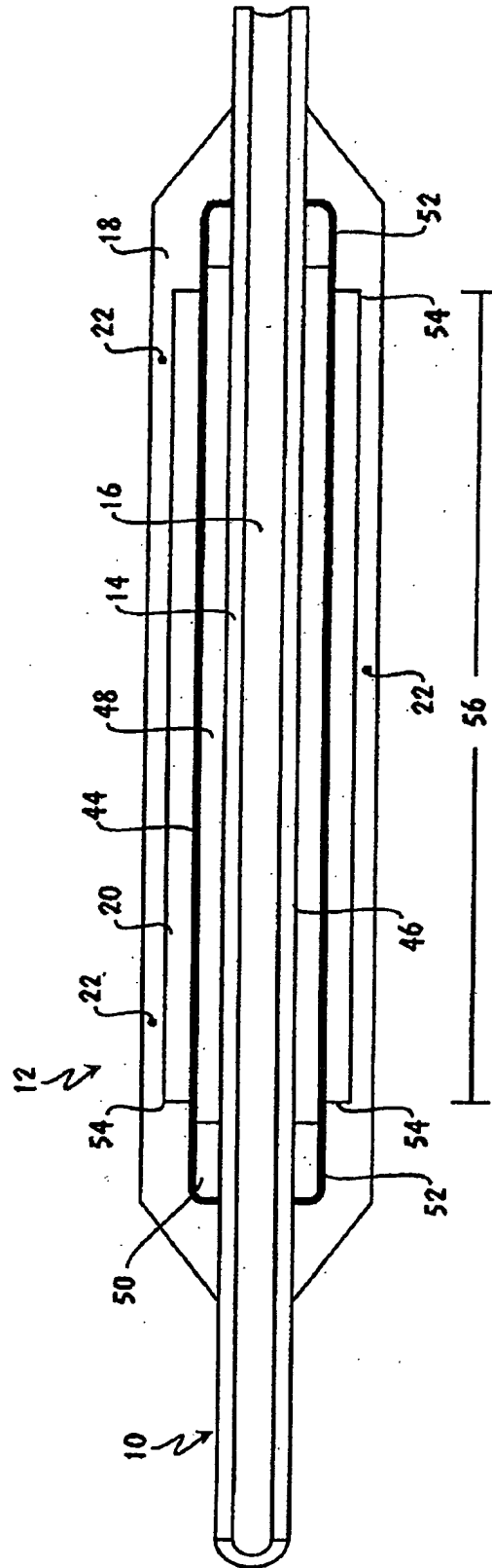


FIG. 10C

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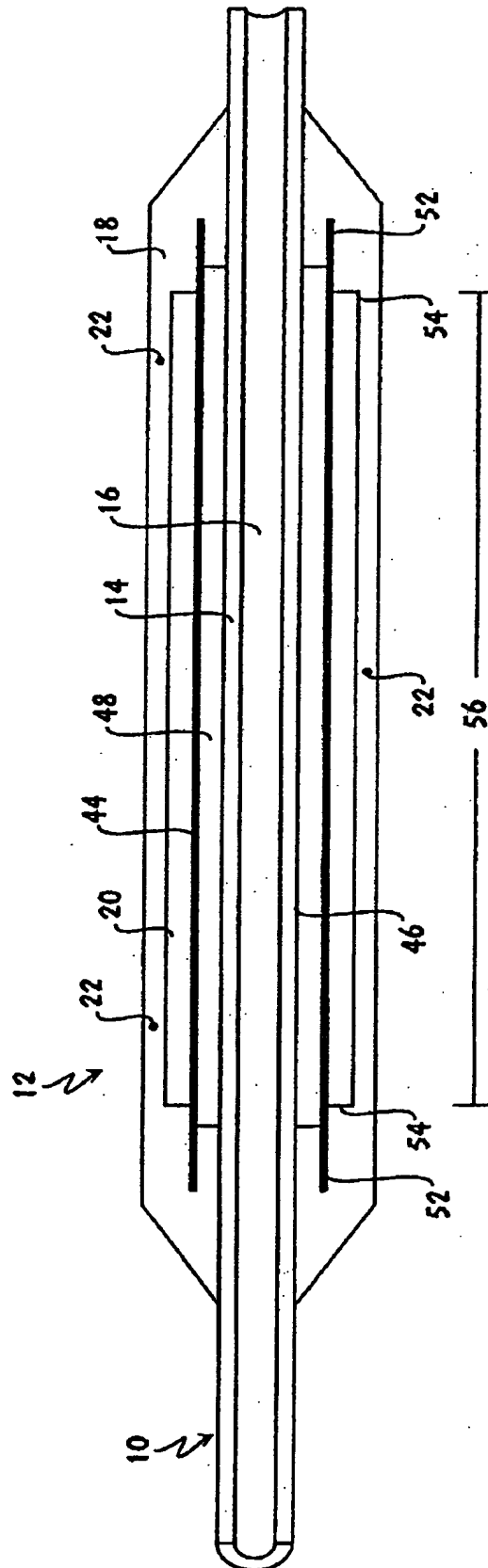


FIG. 10D

DELIVERY OF THERAPEUTIC COMPOSITIONS USING
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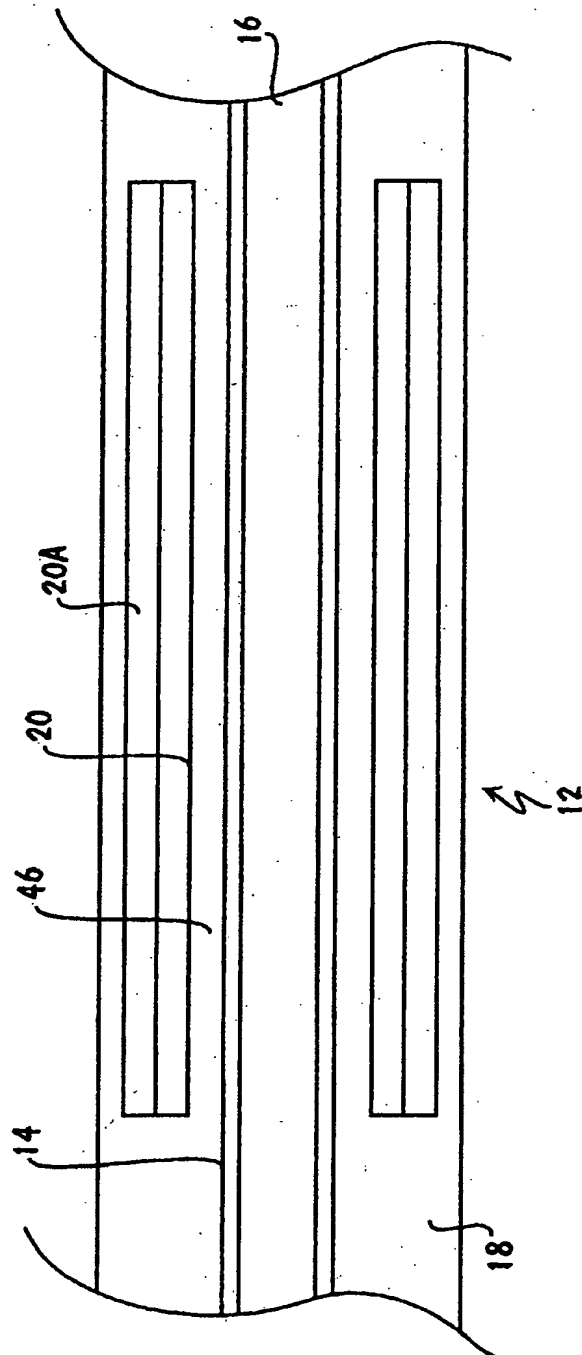


FIG. 11A

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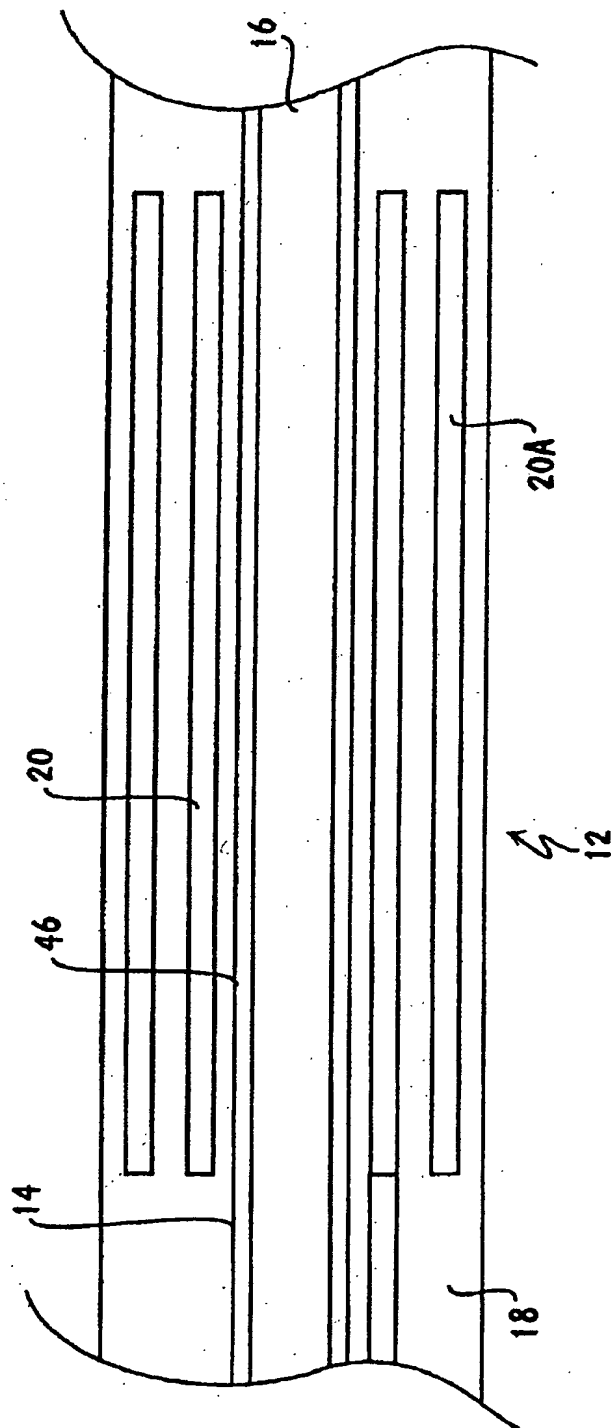


FIG. 11B

DELIVERY OF THERAPEUTIC COMPOSITIONS USING
ULTRASOUND

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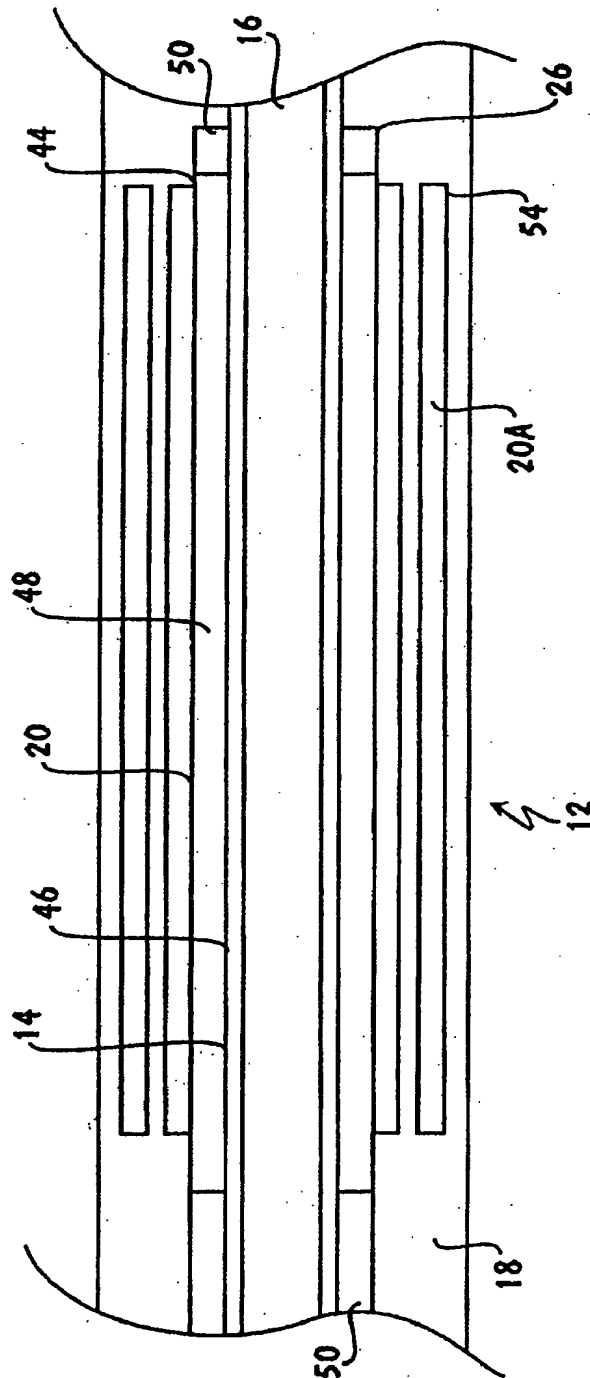
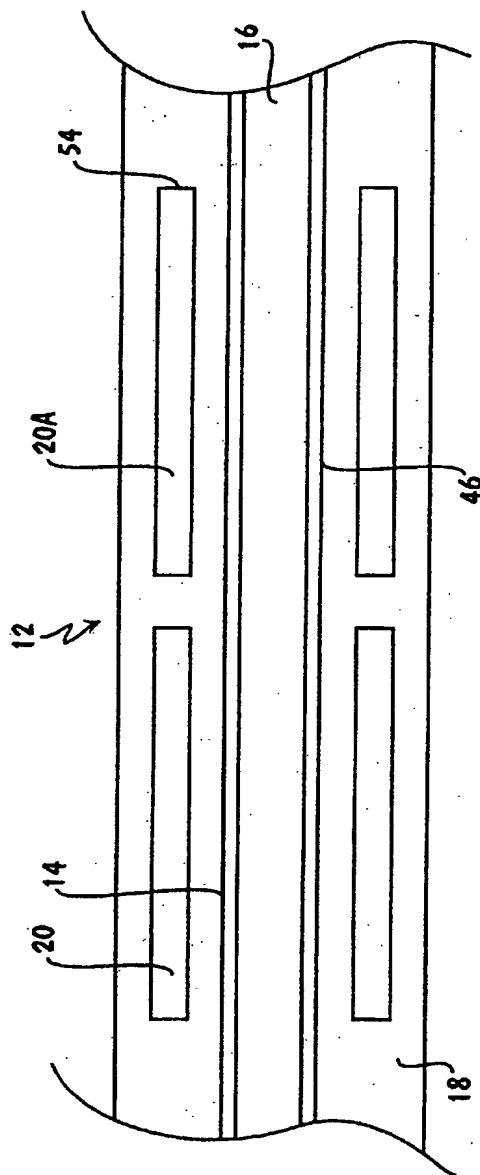


FIG. 11C

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DELIVERY OF THERAPEUTIC COMPOSITIONS USING
ULTRASOUND

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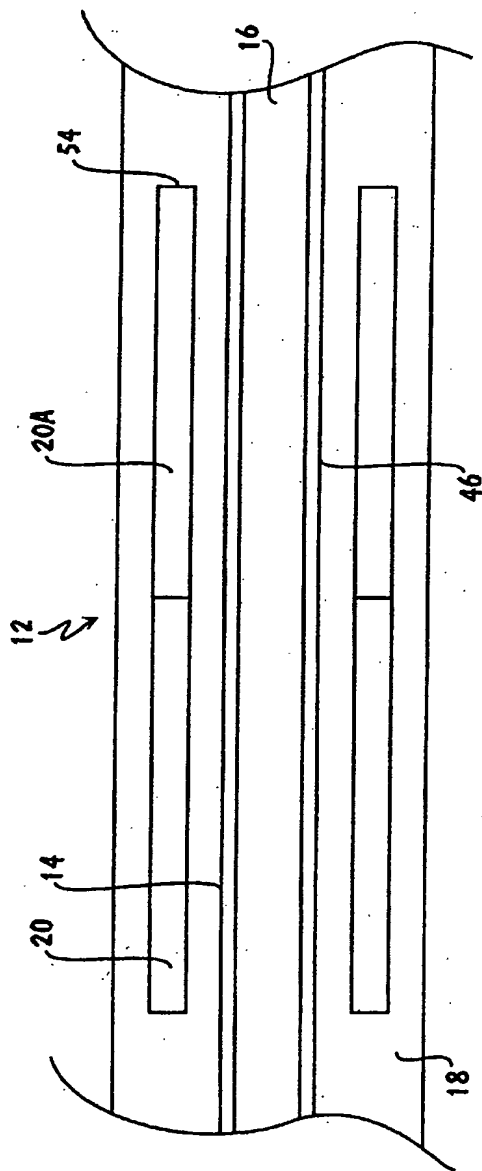


FIG. 11E

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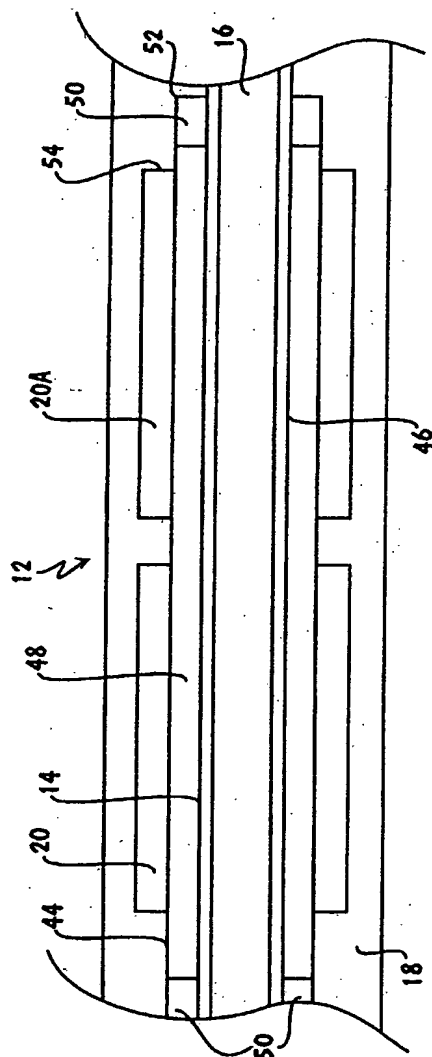


FIG. 11F

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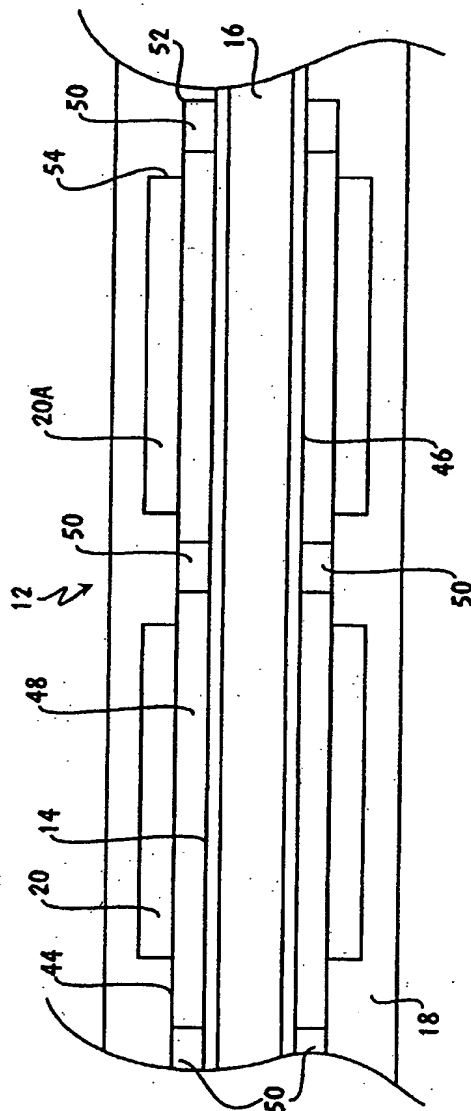


FIG. 11G

DELIVERY OF THERAPEUTIC COMPOSITIONS USING
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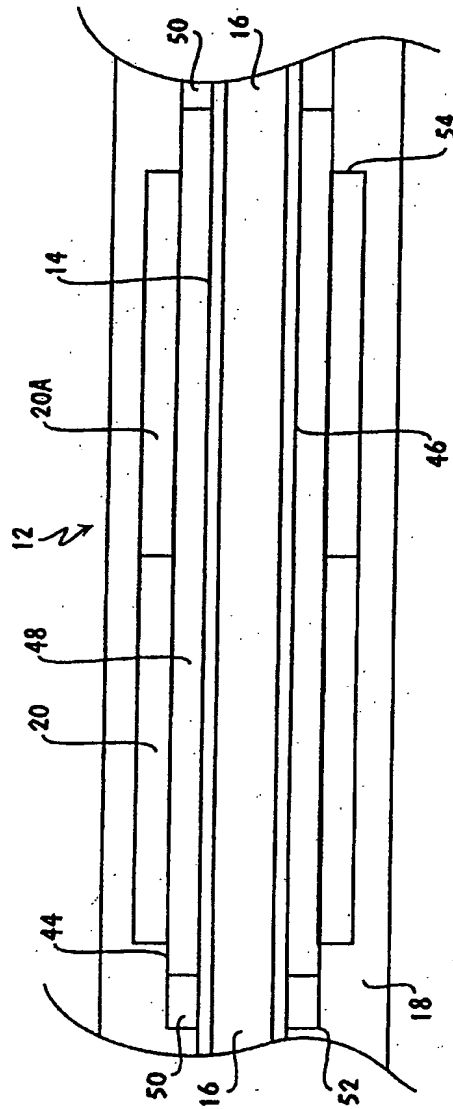


FIG. 11H

DELIVERY OF THERAPEUTIC COMPOSITIONS USING
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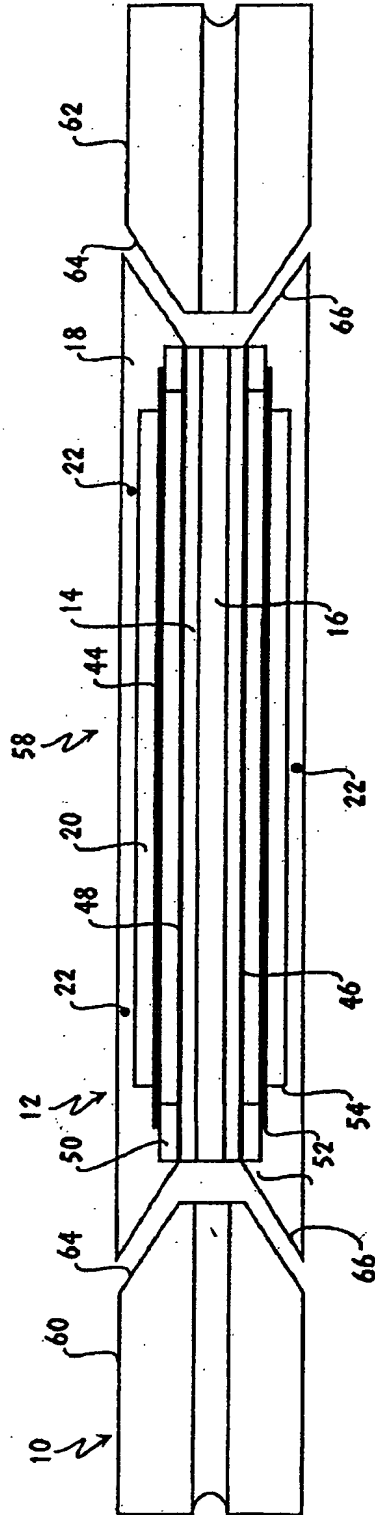


FIG. 12A

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FIG. 12B

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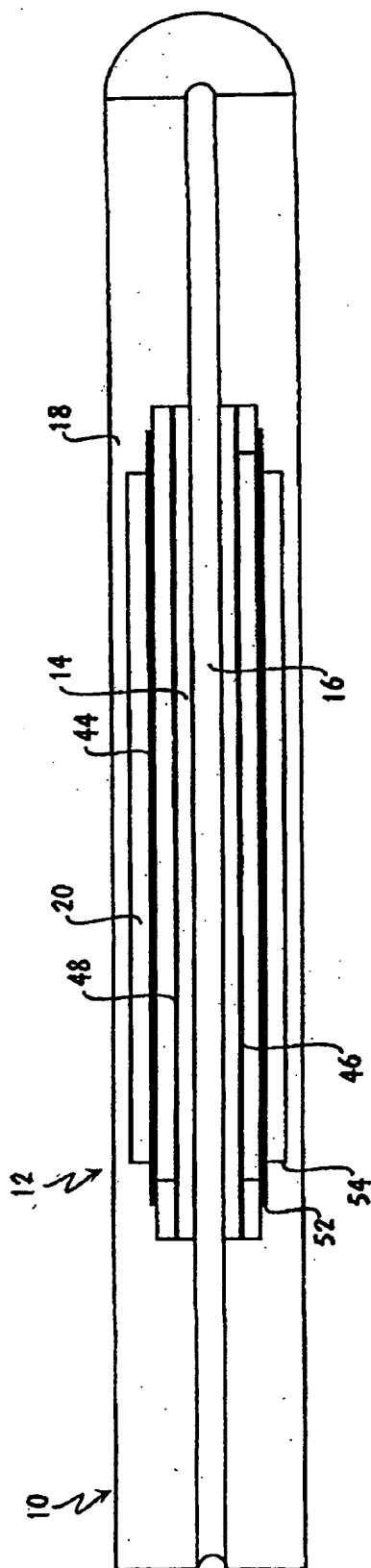


FIG. 12C

DELIVERY OF THERAPEUTIC COMPOSITIONS USING
ULTRASOUND

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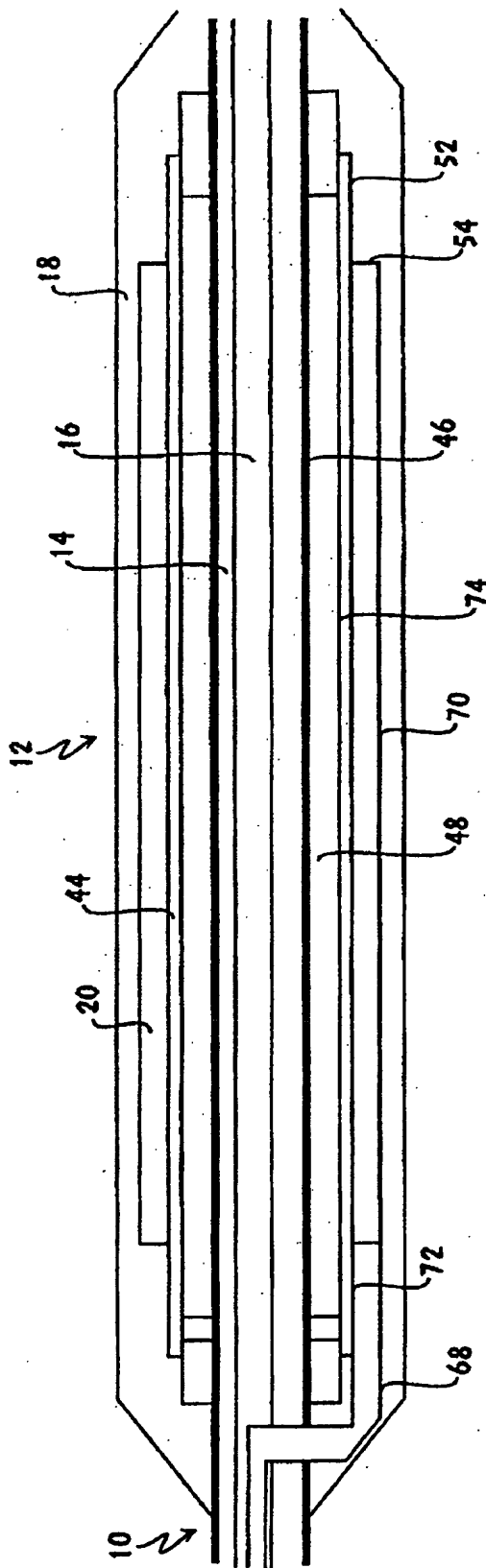


FIG. 13A

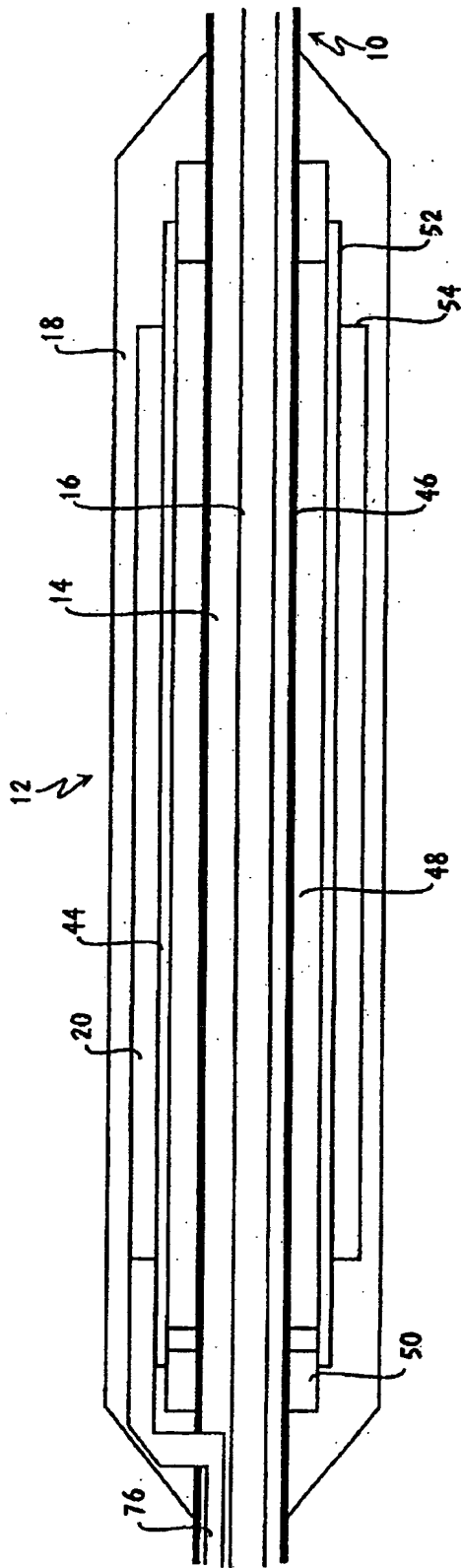
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ULTRASOUND

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ULTRASOUND

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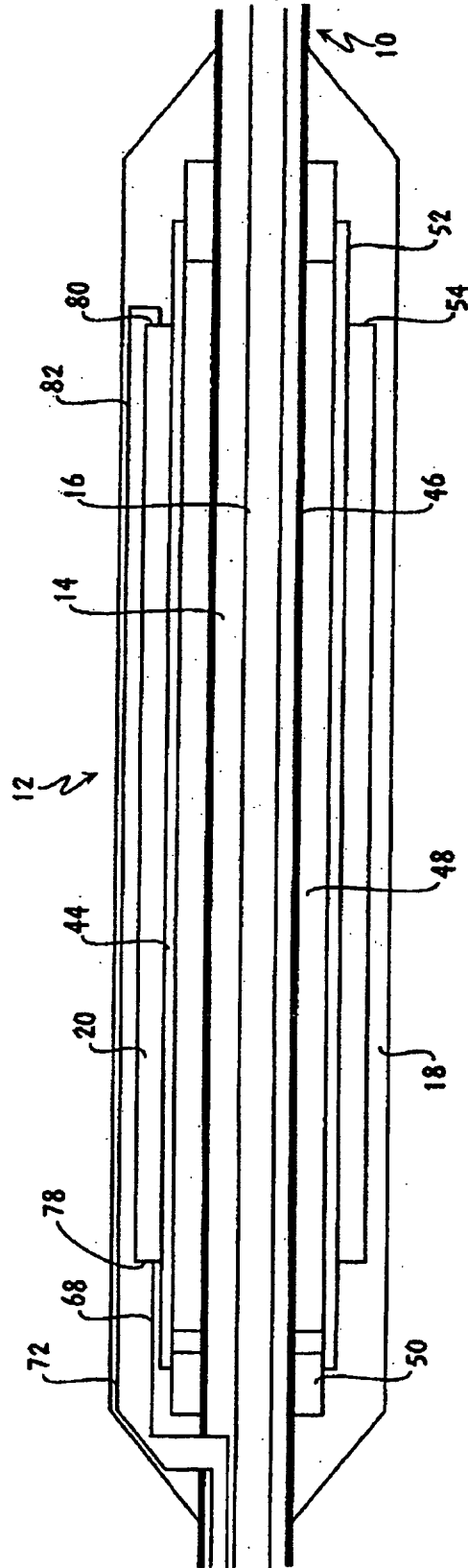


FIG. 13C

DELIVERY OF THERAPEUTIC COMPOSITIONS USING
ULTRASOUND

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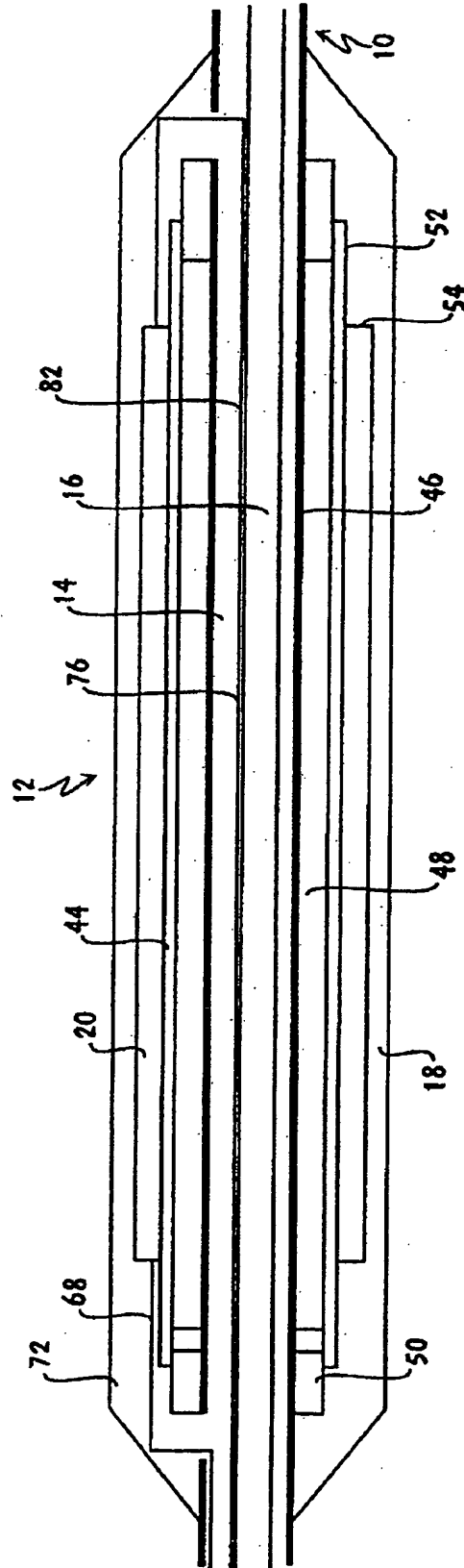


FIG. 13D

DELIVERY OF THERAPEUTIC COMPOSITIONS USING
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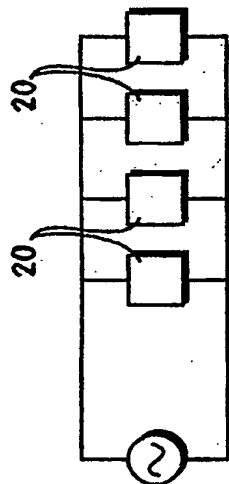


FIG. 14A

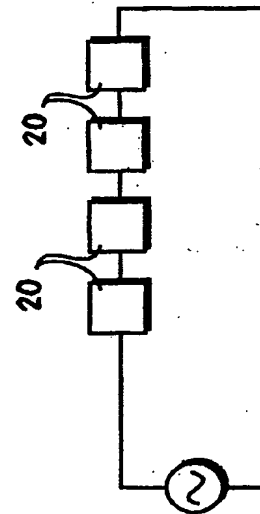


FIG. 14B

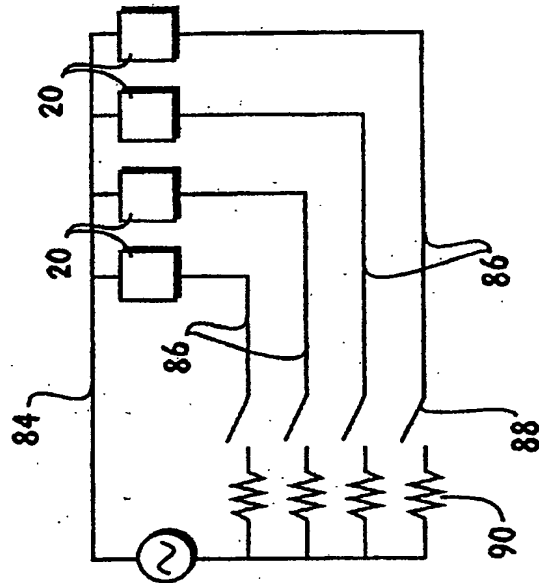


FIG. 14C

DELIVERY OF THERAPEUTIC COMPOSITIONS USING
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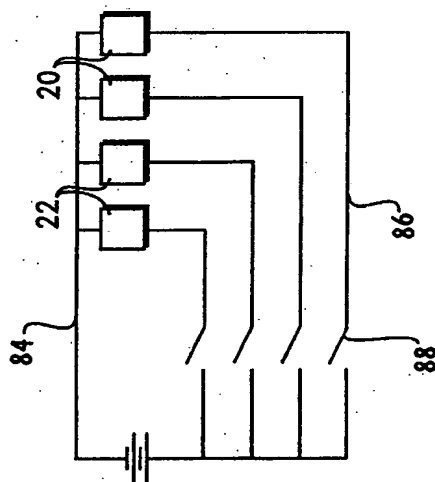


FIG. 15

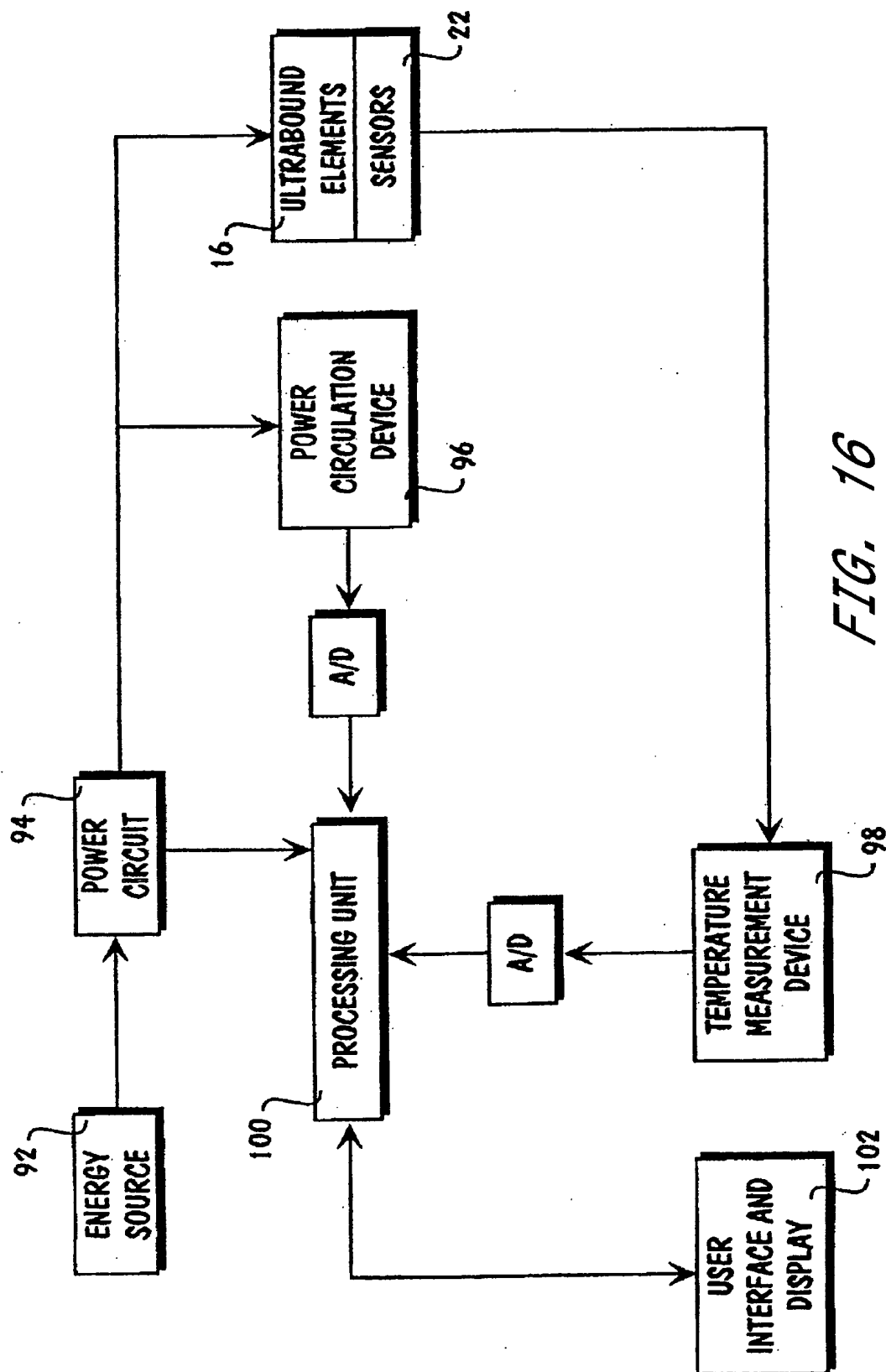
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CHLORINA
NATURALLY OCCURRING:

FIG. 17C

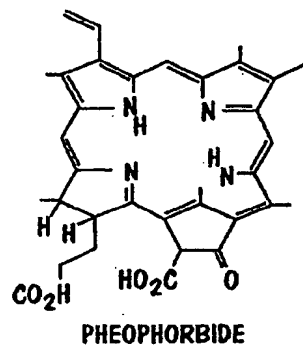
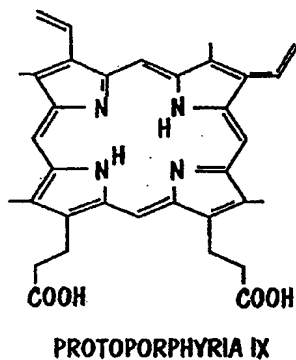


FIG. 17A

PORPHYRINA:
NATURALLY OCCURRING:



SYNTHETIC:

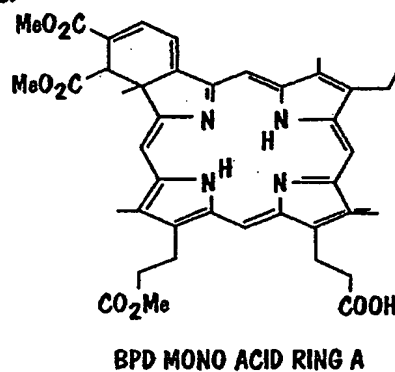


FIG. 17D

SYNTHETIC:

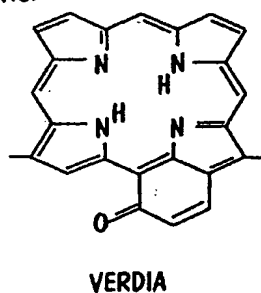
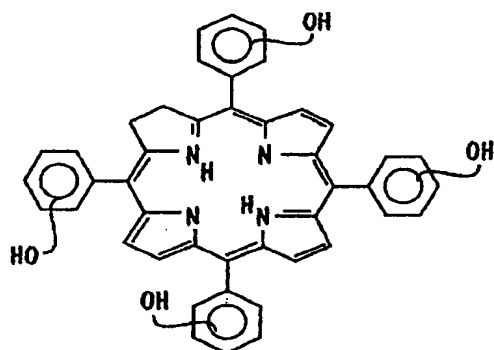


FIG. 17B

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FIG. 17E

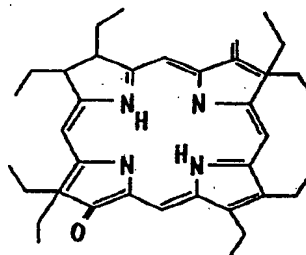
SYNTHETIC:



MESO-TETRA (HYDROXYPHENYL)
CHLORIN

FIG. 17H

SYNTHETIC:

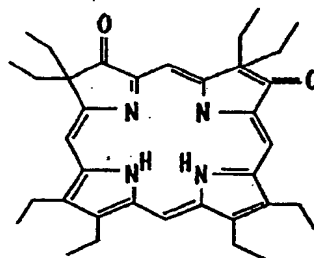
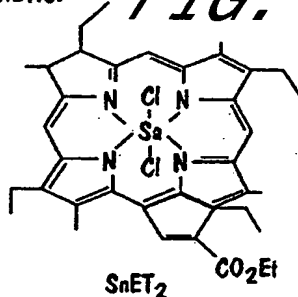


OCTAETHYLDIOXOBACTERIOCHLORIN

SYNTHETIC ISOBACTERIOCHLORIN:

SYNTHETIC:

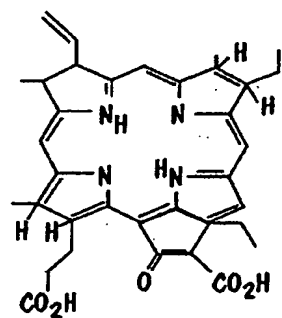
FIG. 17F



OCTAETHYLDIOXOBACTERIOCHLORIN

FIG. 17I

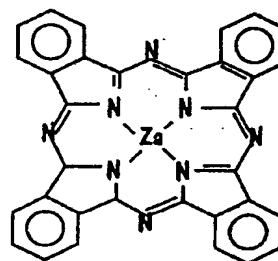
BACTERIACHLORINA:
NATURALLY OCCURRING:



BACTACIOPHAPHORBIDE

FIG. 17G

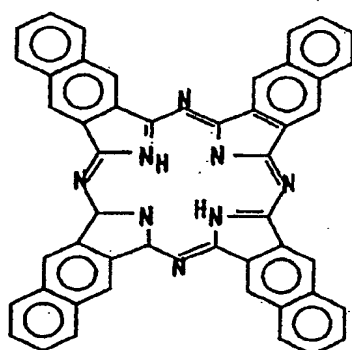
PHTHALOCYARINEA:



ZINC PHTHALCYANINE

FIG. 17J

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NAPHTHALOCYANINE

FIG. 17K

PORPHYCENES:

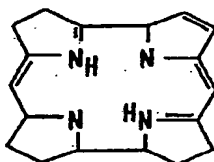


FIG. 17L

SAPPHYRINS:

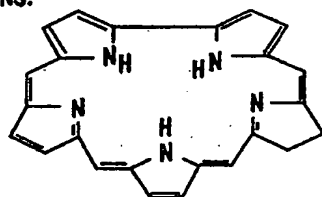


FIG. 17M

TEXAPHYRIAS:

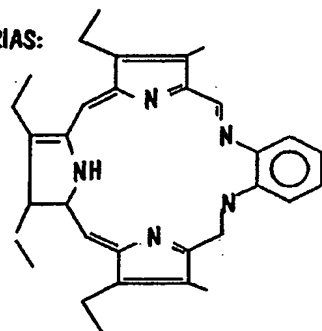


FIG. 17N

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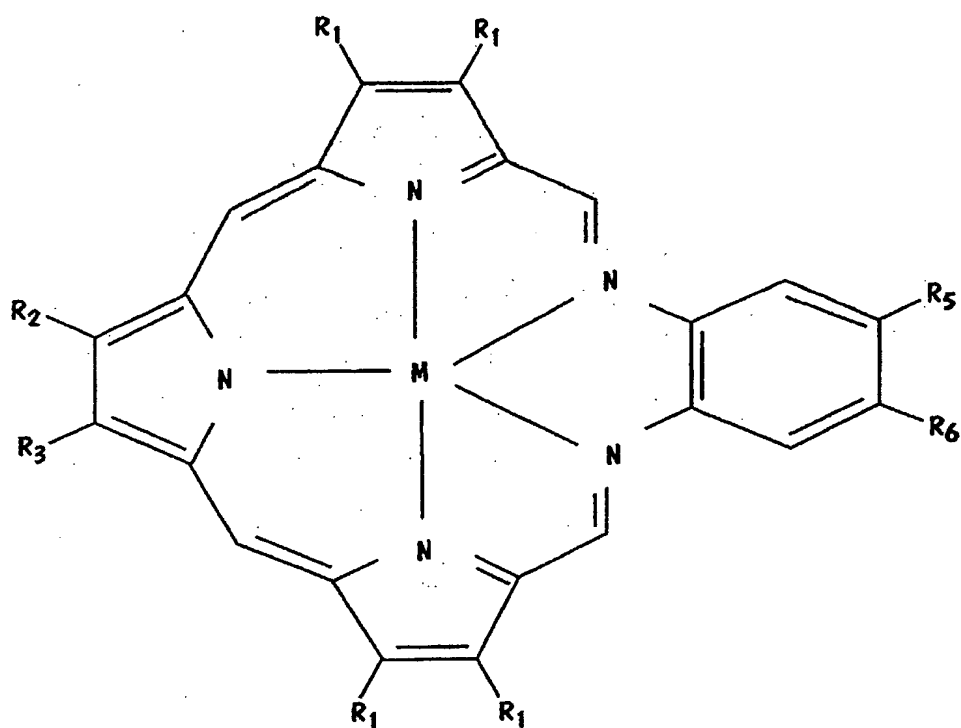


FIG. 17B-2

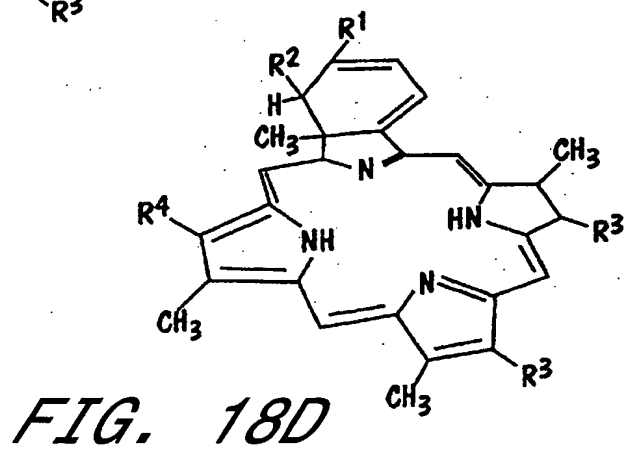
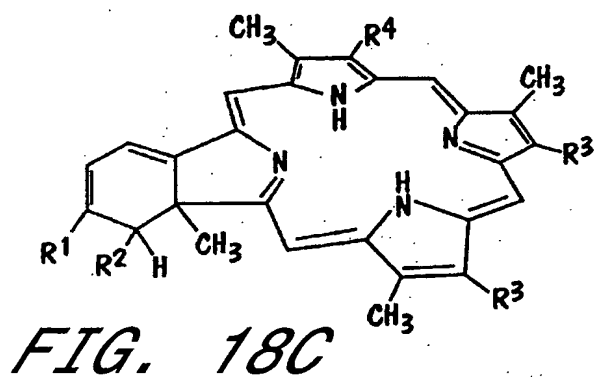
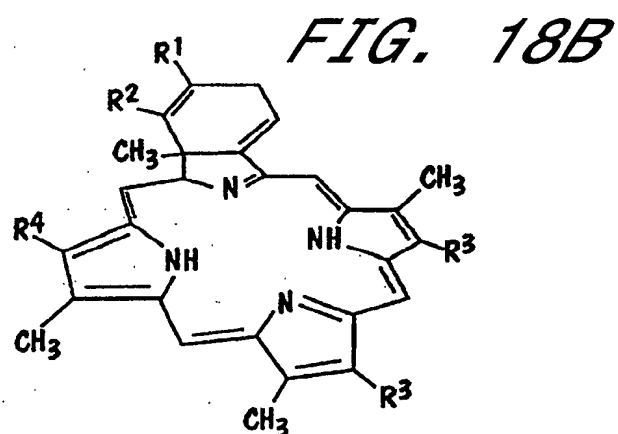
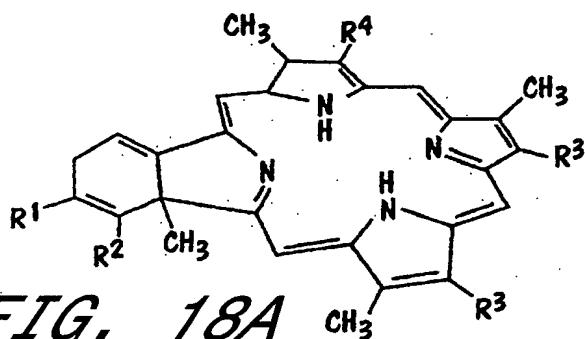
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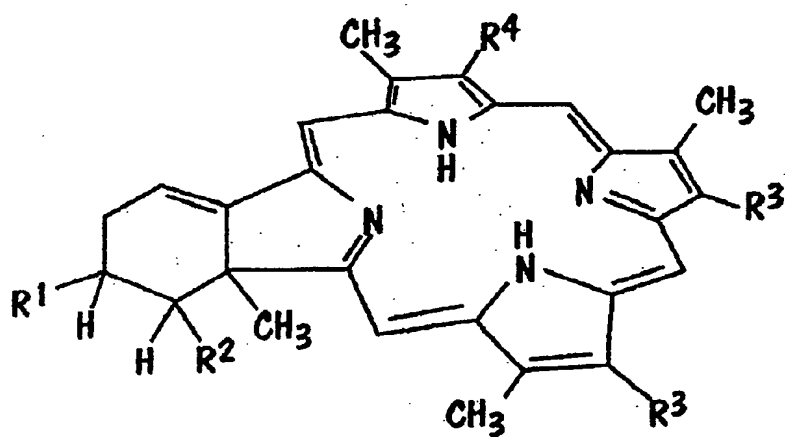
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FIG. 18E



OR

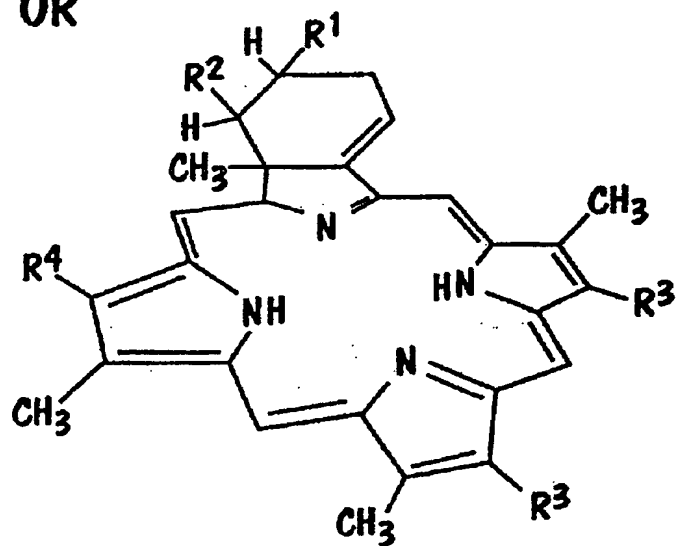


FIG. 18F

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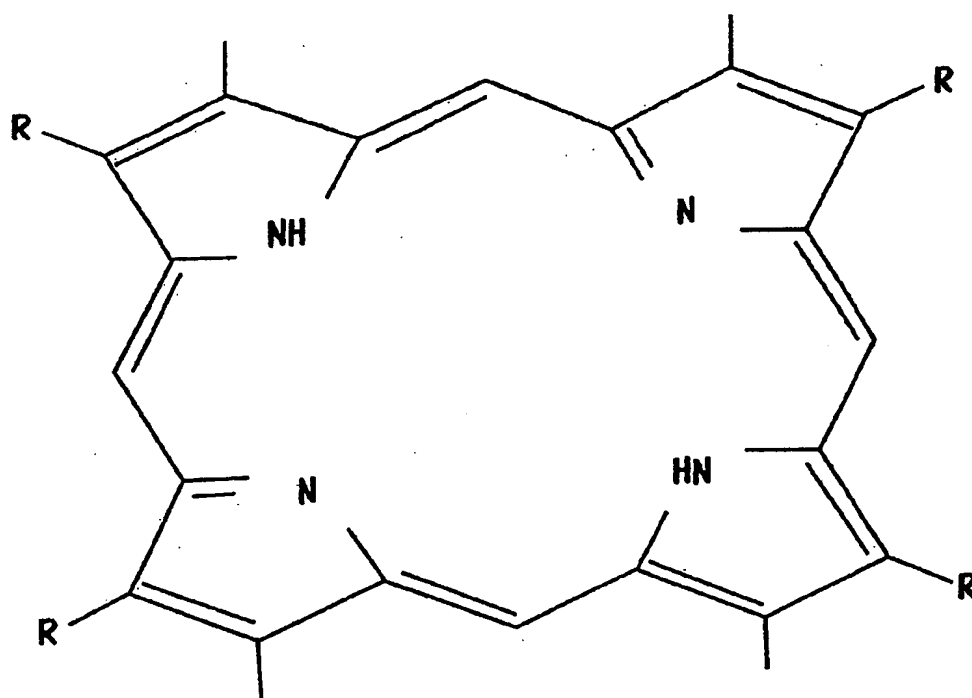
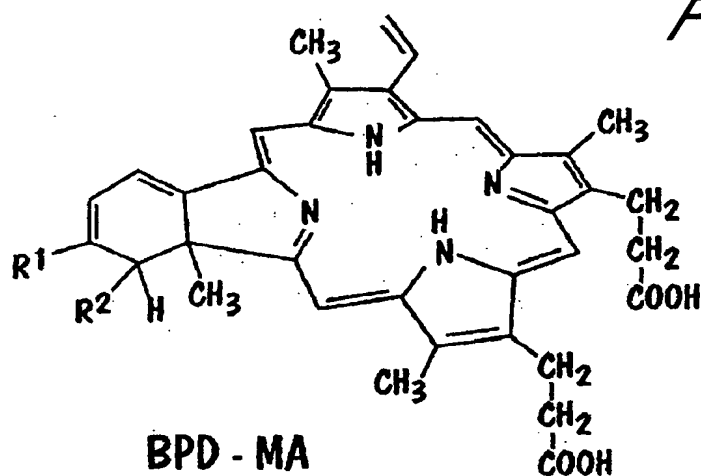


FIG. 19

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FIG. 20A



AND

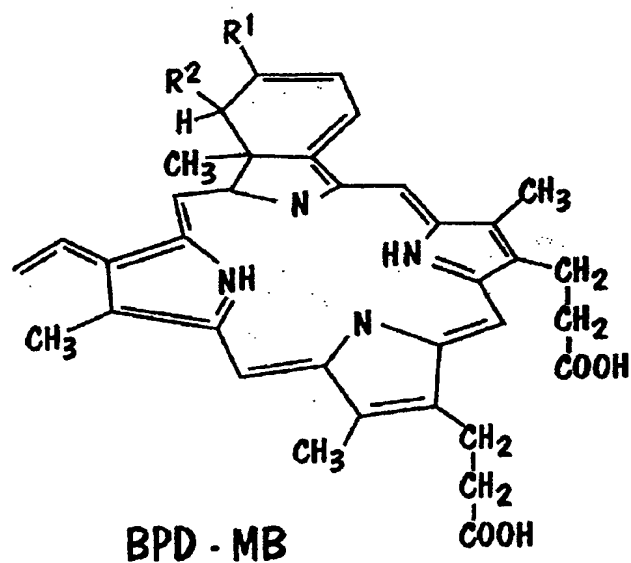


FIG. 20B

DELIVERY OF THERAPEUTIC COMPOSITIONS USING
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FIG. 20C

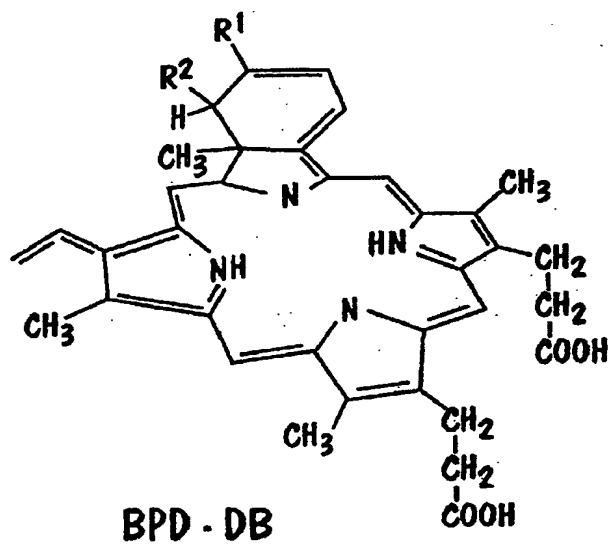
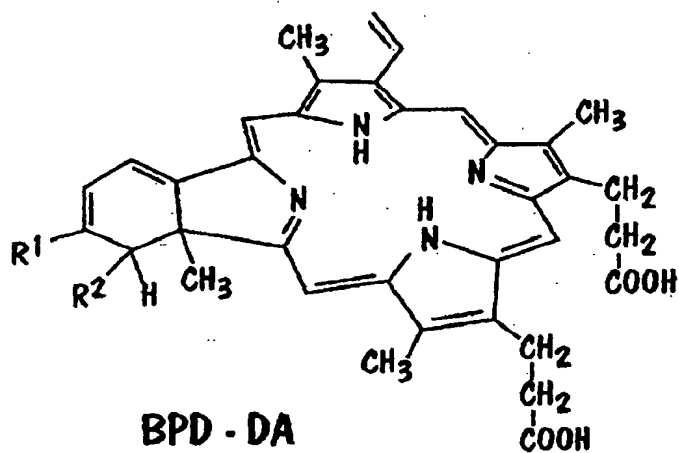


FIG. 20D

DELIVERY OF THERAPEUTIC COMPOSITIONS USING
ULTRASOUND

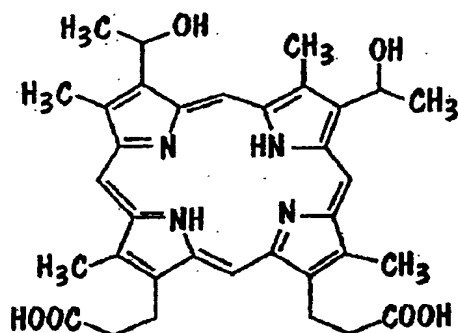
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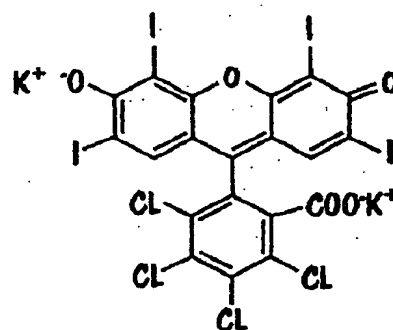
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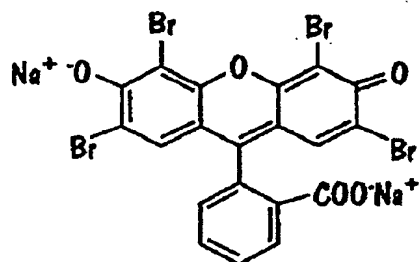
HEMATOPORPHYRIN
[FORMULA A]



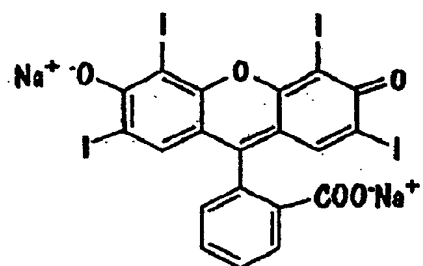
ROSE BENGAL
[FORMULA B]



EROSIN Y
[FORMULA C]



ERYTHROCIN
[FORMULA D]



RHODAMINE B
[FORMULA E]

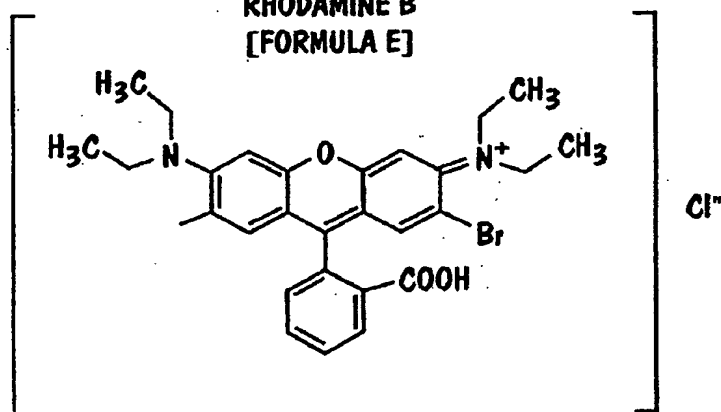


FIG. 21A

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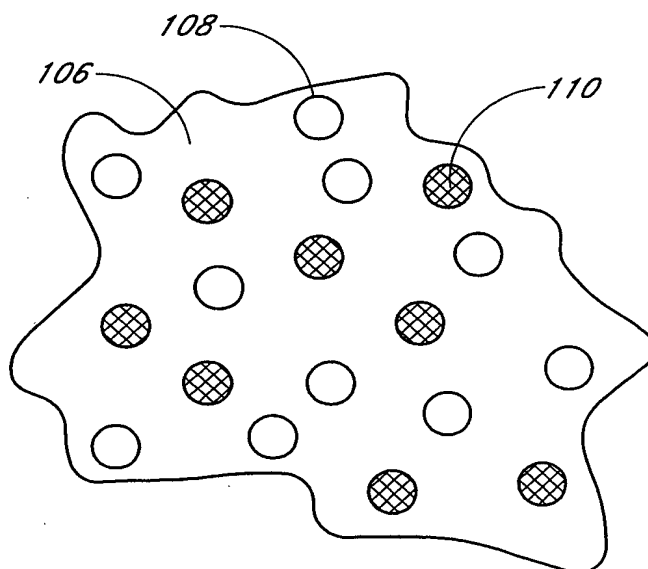


FIG. 22

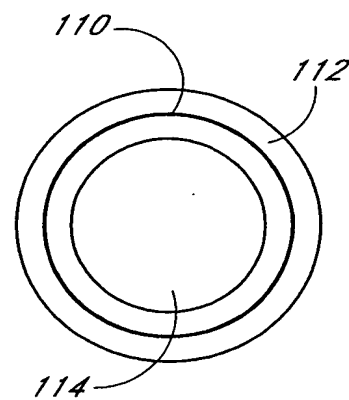
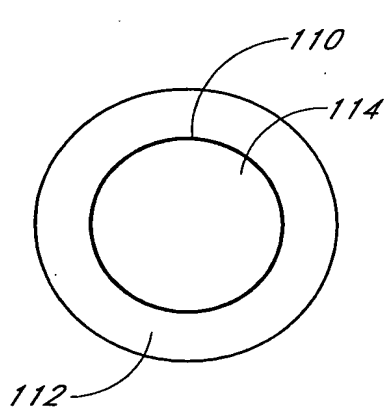
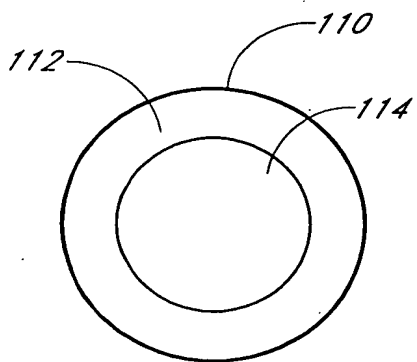


FIG. 23A

FIG. 23B

FIG. 23C

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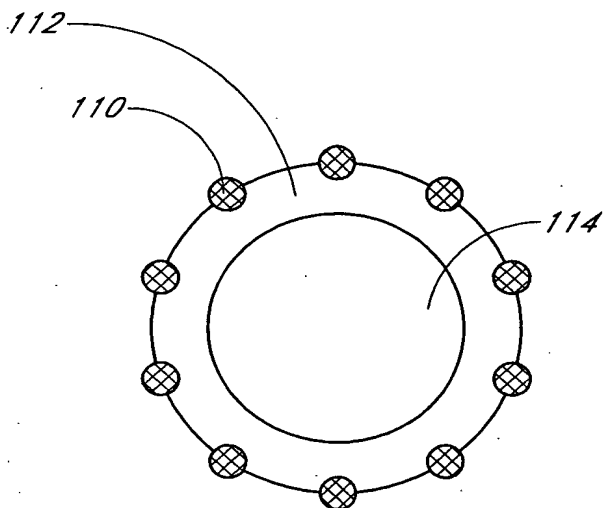


FIG. 24A

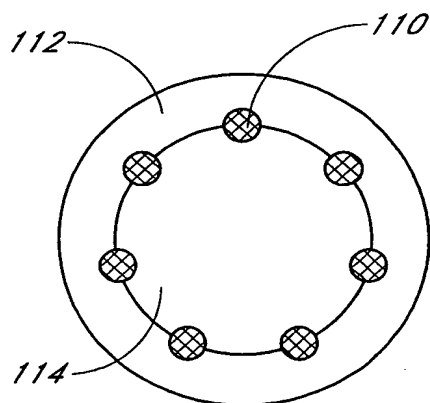


FIG. 24B

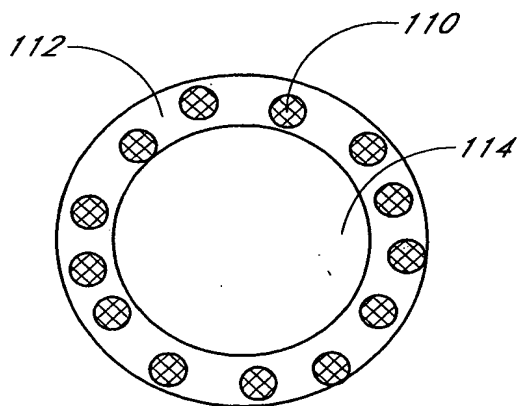


FIG. 24C

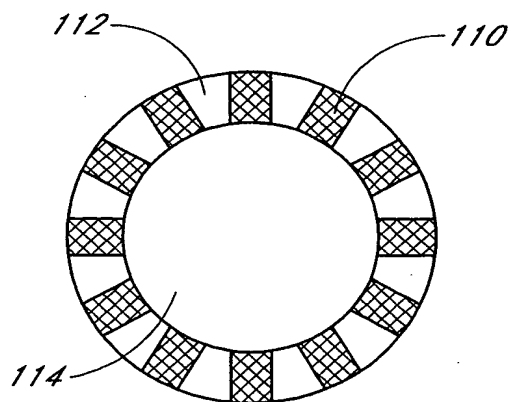


FIG. 24D

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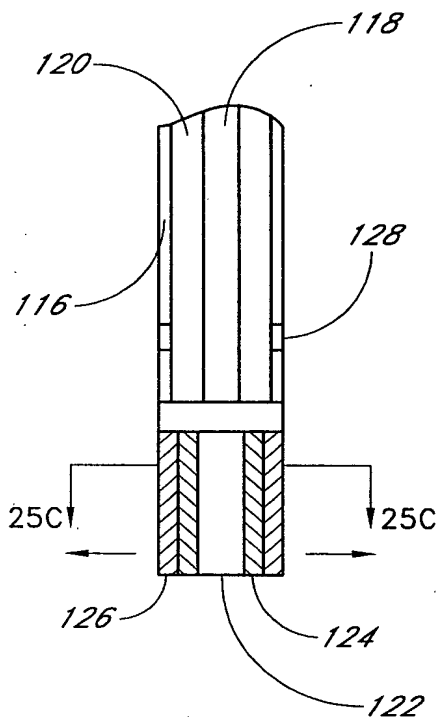


FIG. 25A

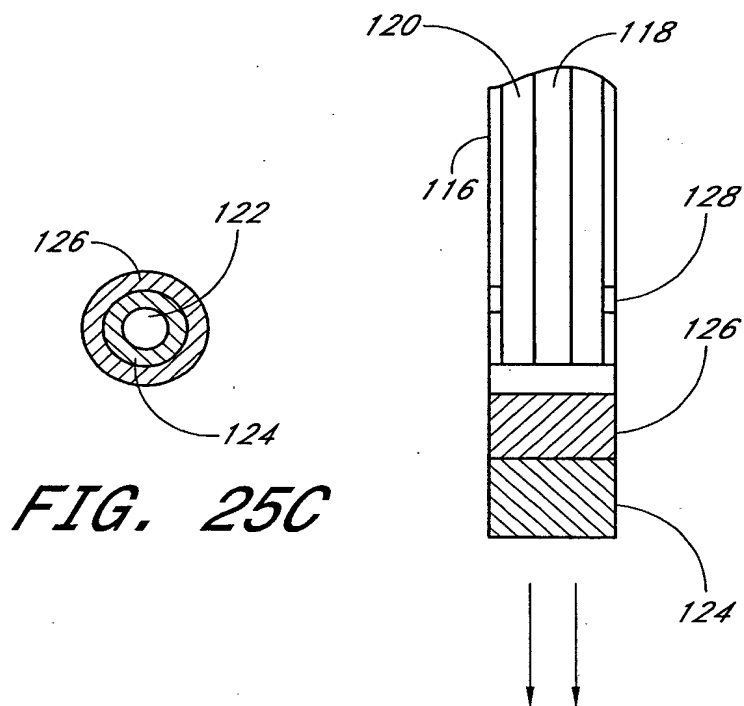


FIG. 25B

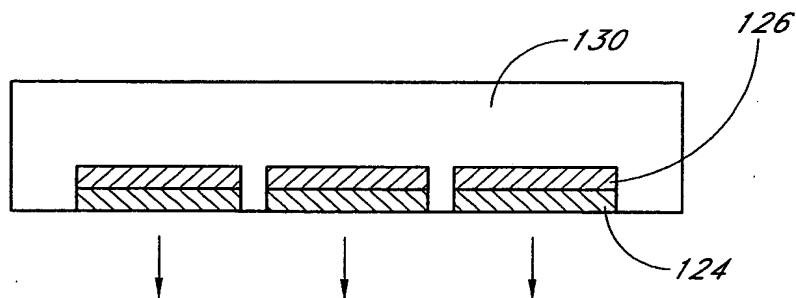


FIG. 26

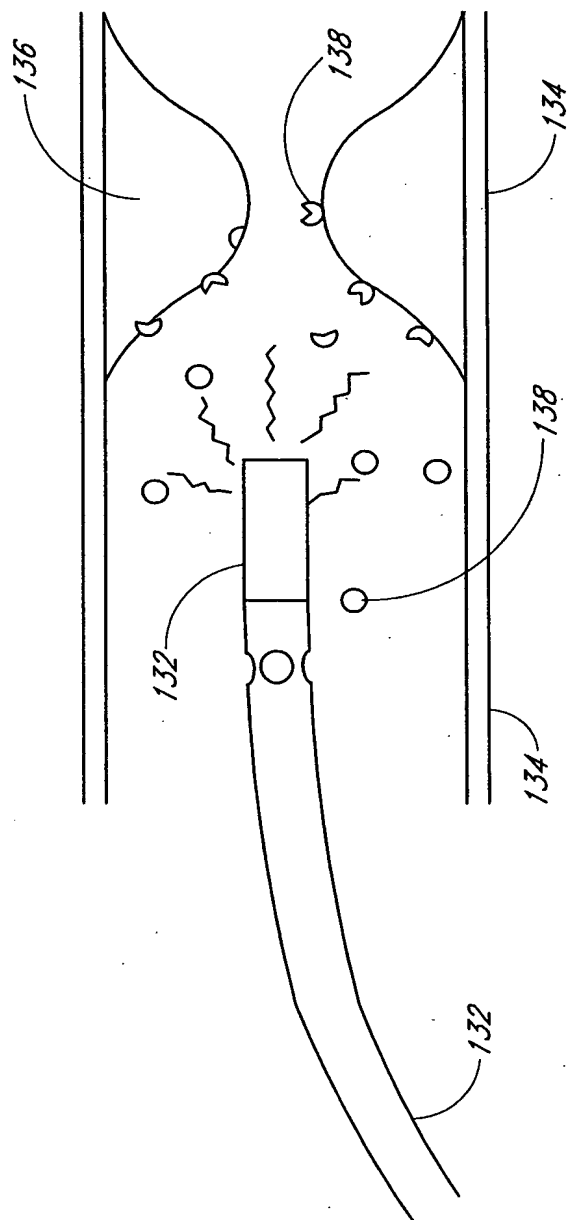


FIG. 27

DELIVERY OF THERAPEUTIC COMPOSITIONS USING
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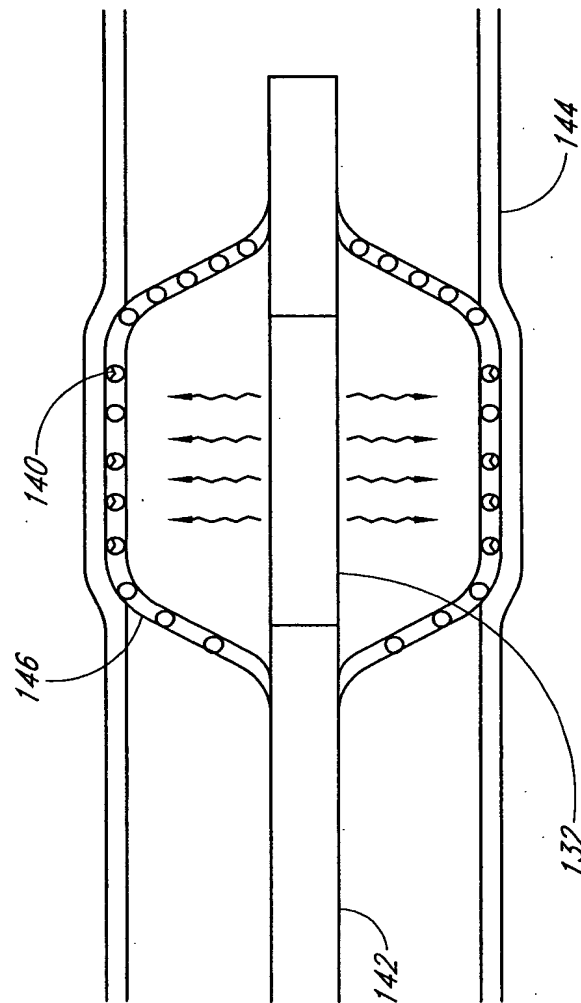


FIG. 28

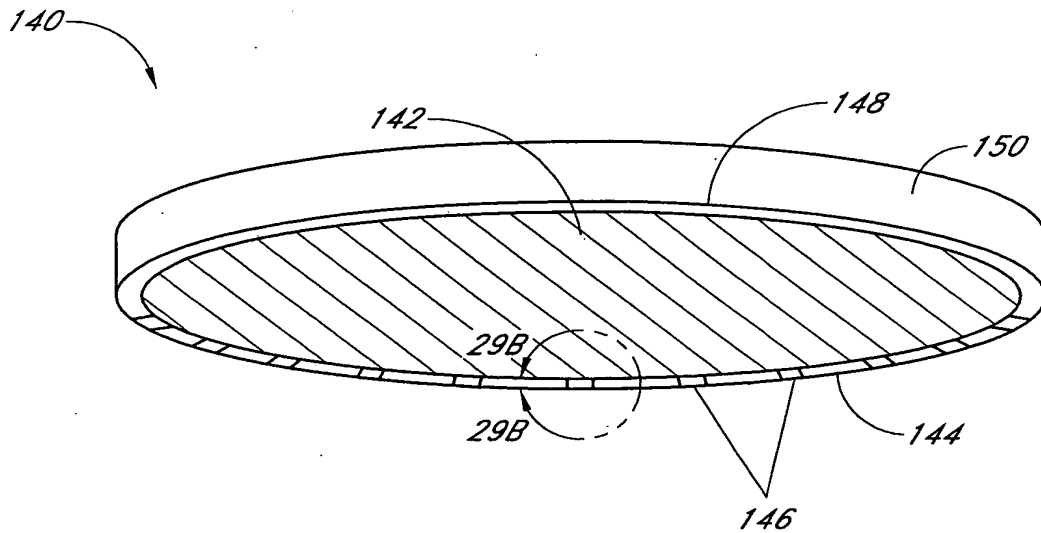


FIG. 29A

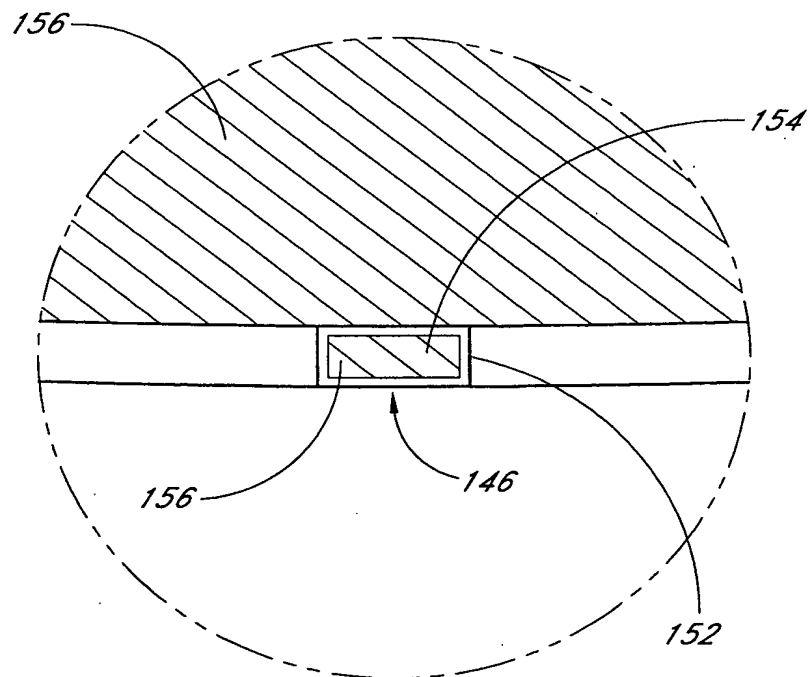
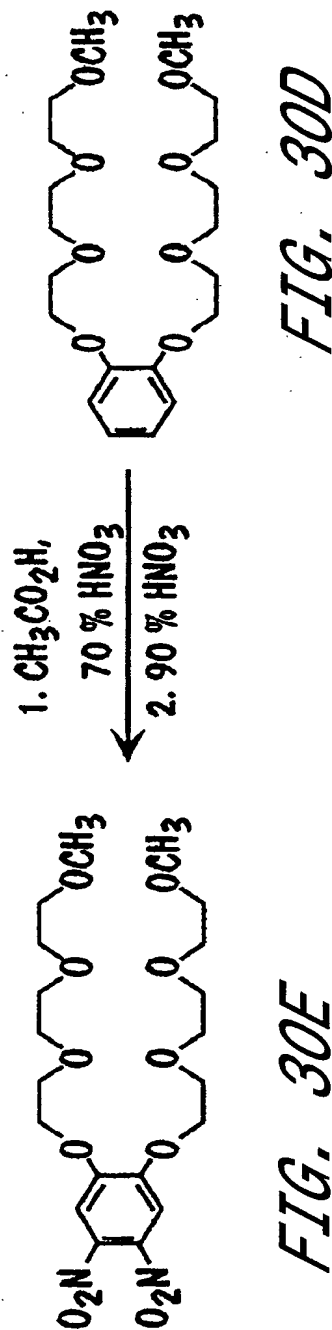
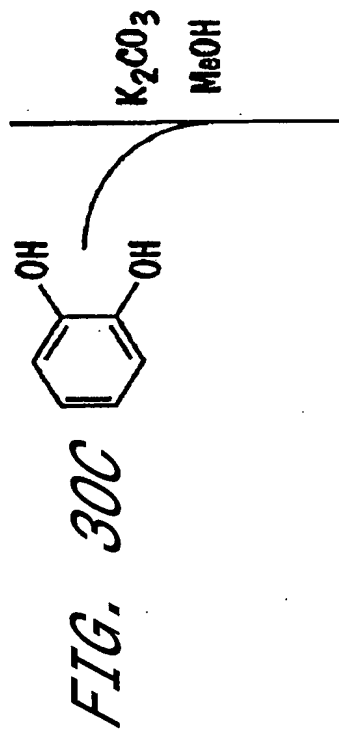
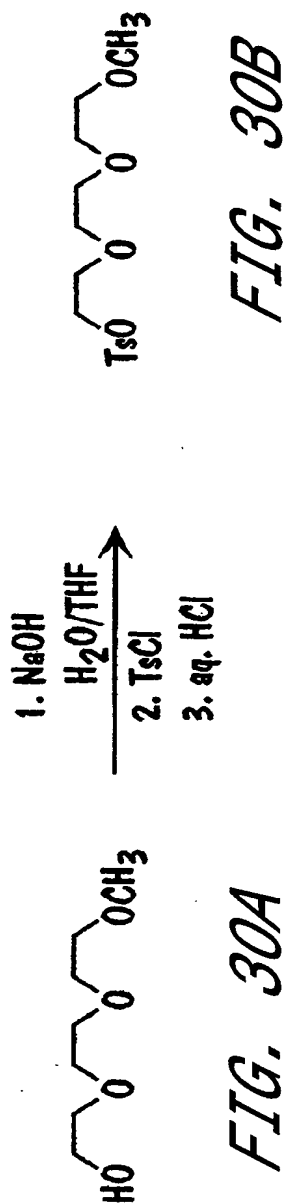


FIG. 29B

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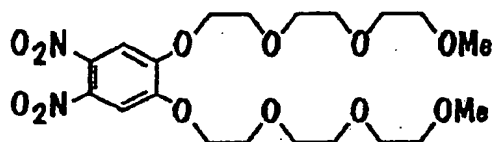


FIG. 30E

HYDRAZINE HYDRATE,
10% Pd/C, EtOH

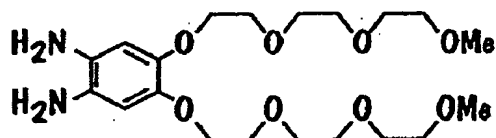


FIG. 30F

+

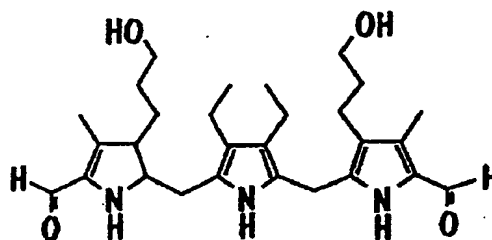


FIG. 30G

1.2 eq 12M HCl,
MeOH

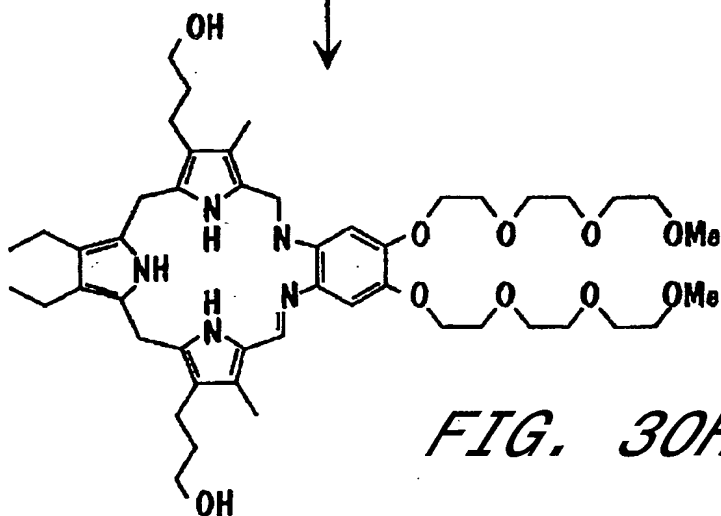


FIG. 30H

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FIG. 30I

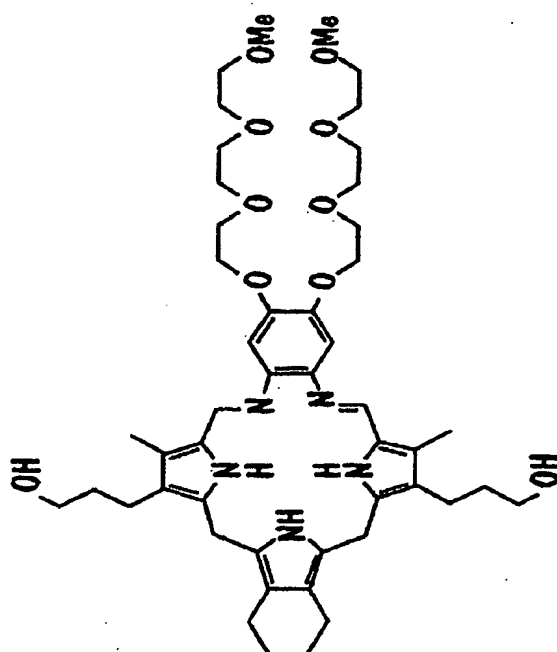
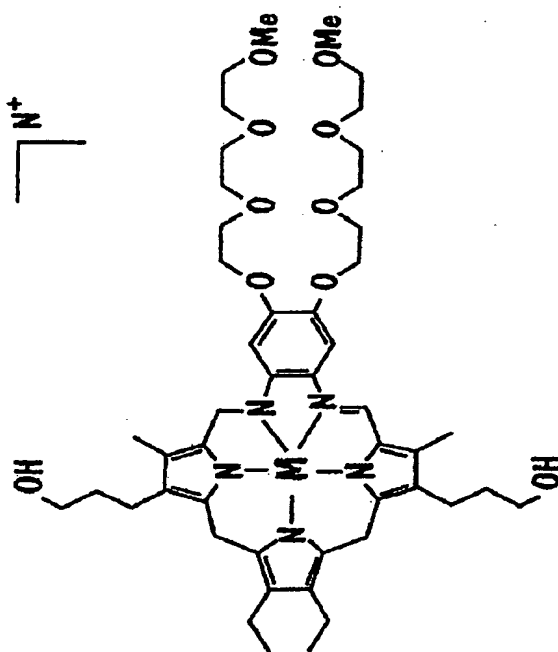


FIG. 30H

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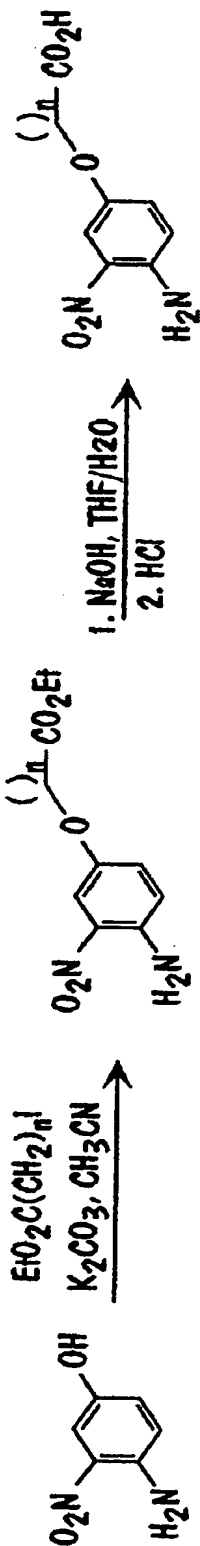


FIG. 31C

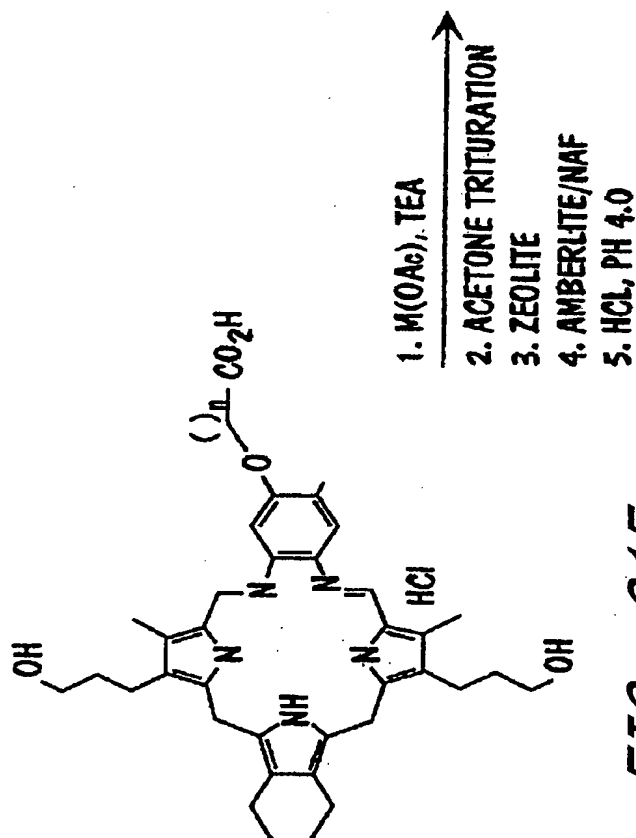


FIG. 31E

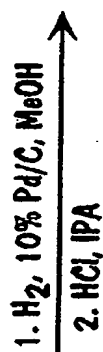


FIG. 31D

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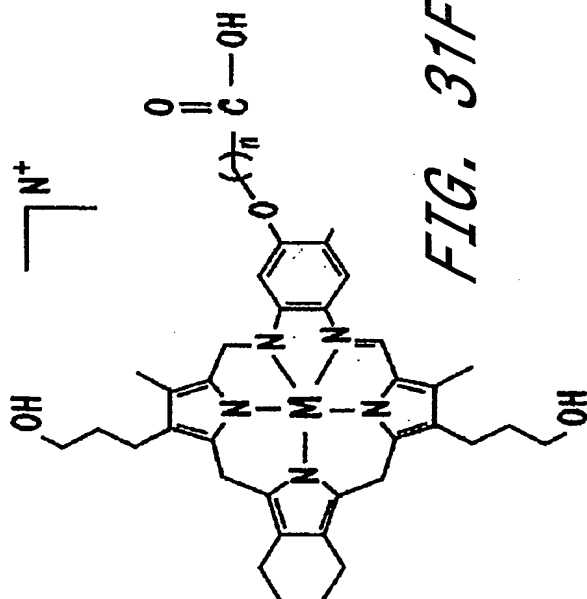


FIG. 31F

1. NHS, DCC, DMF

2. 5'-NH₂-(CH₂)₆-PO₄-CTC GGC CAT AGC GAA TGT TC-3
(0.4 M NaHCO₃, pH 8.6) SEQ. ID. NO. 1

FIG. 31G

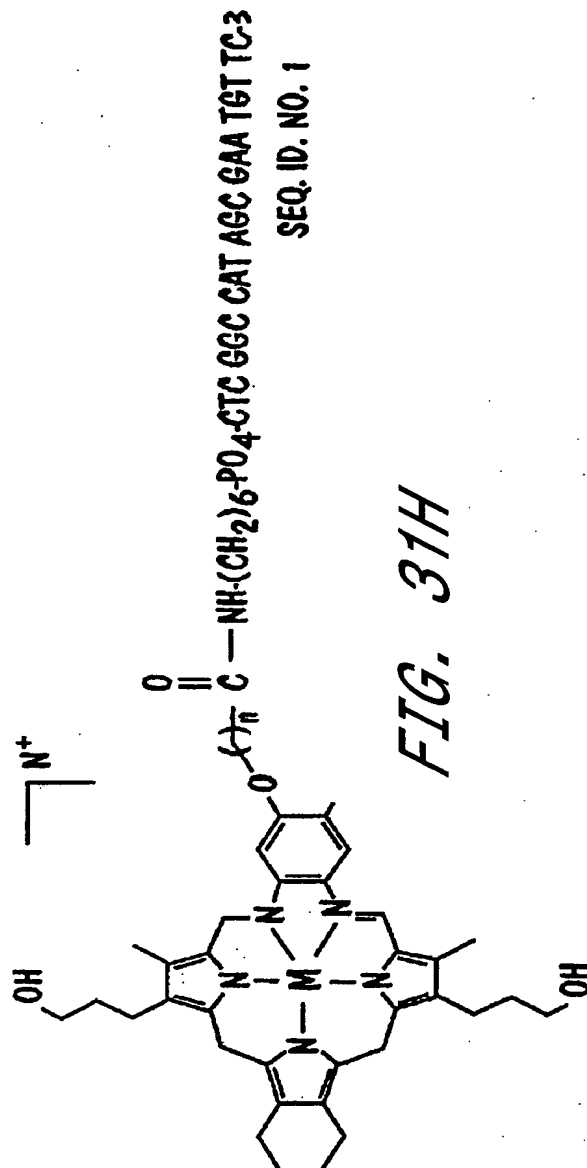


FIG. 31H

SEQ. ID. NO. 1

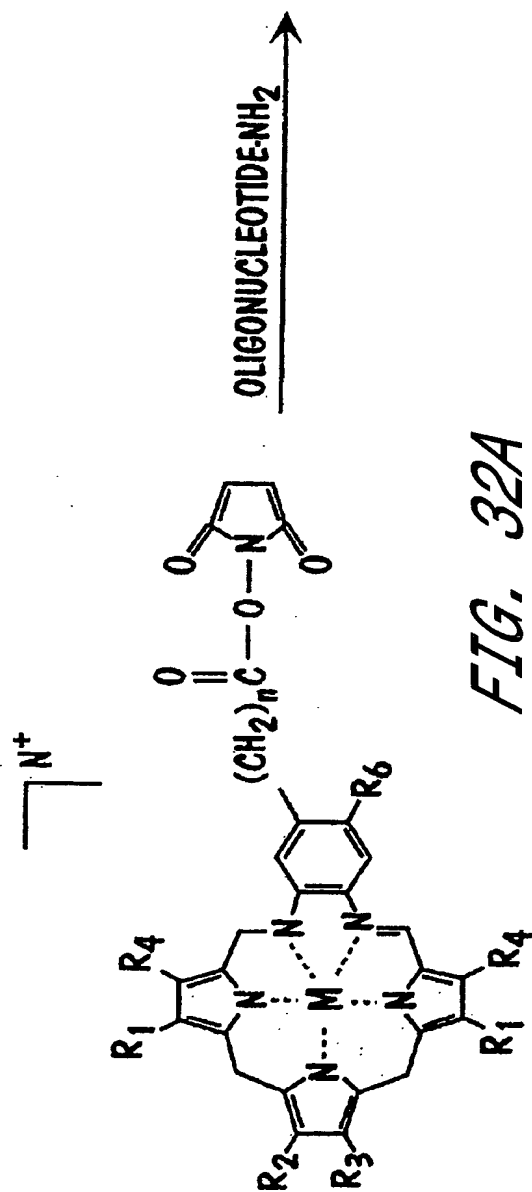
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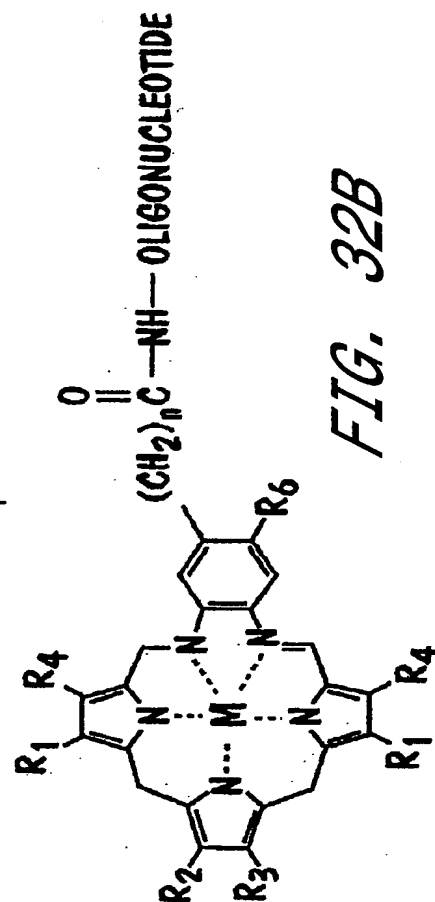
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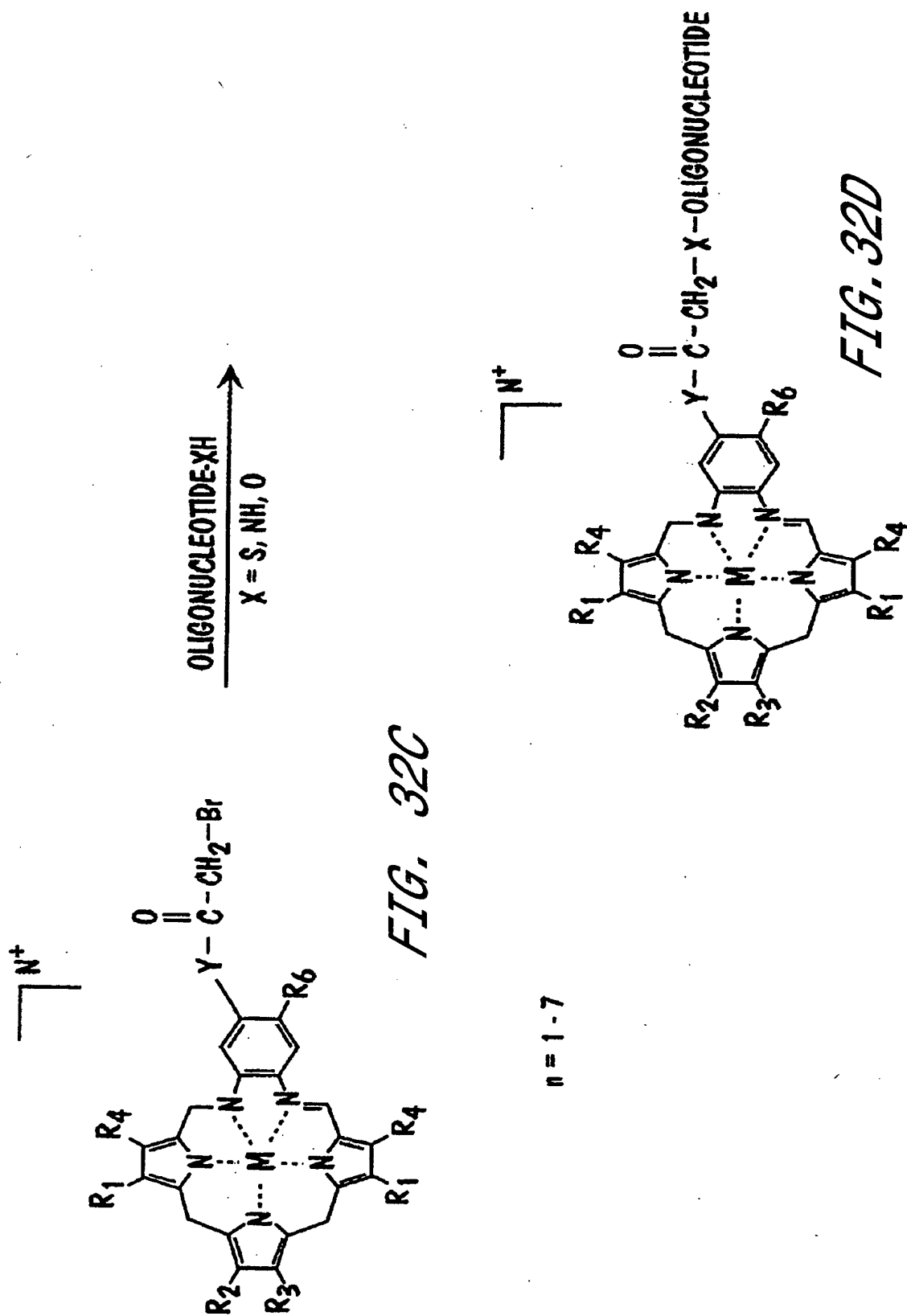


OLIGONUCLEOTIDE-NH₂

$n = 1-7$



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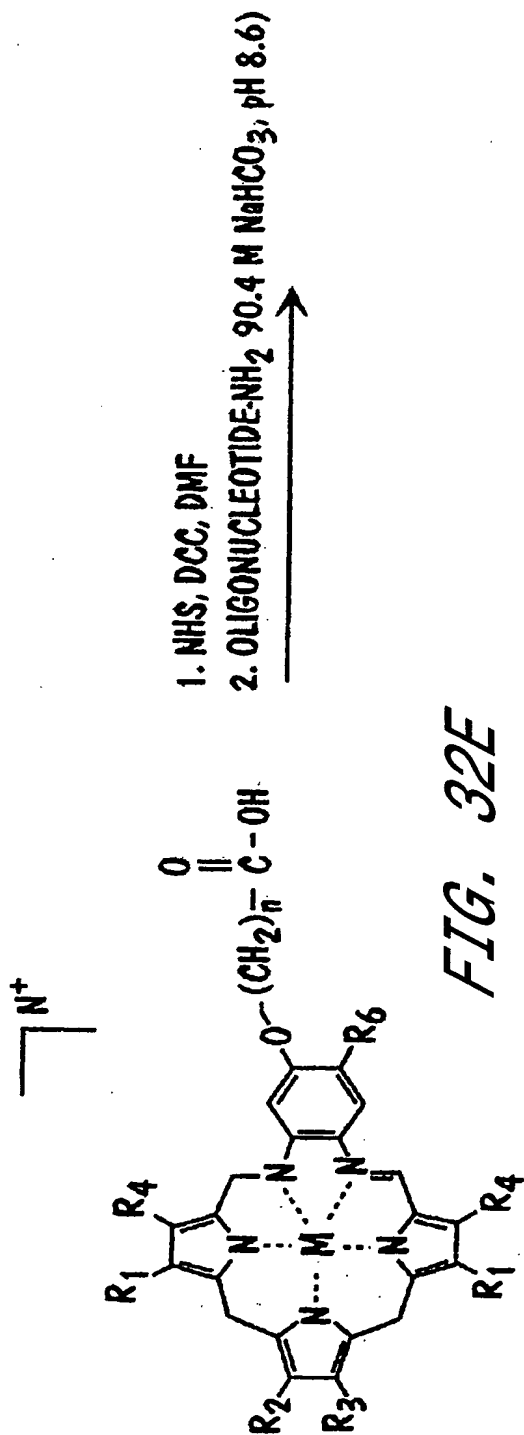


FIG. 32E

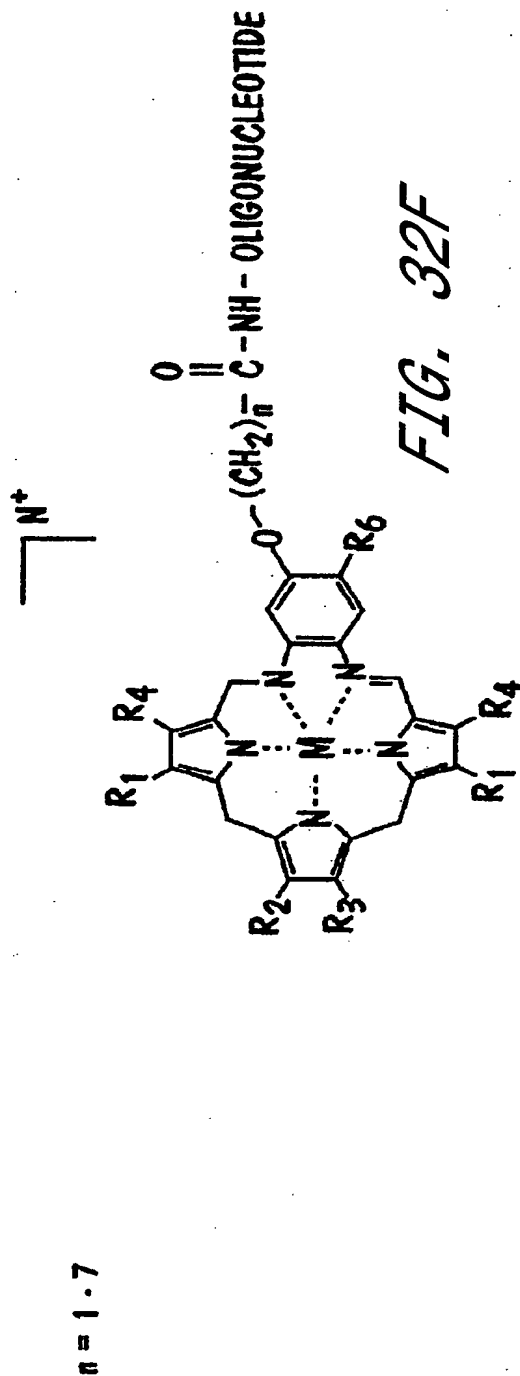
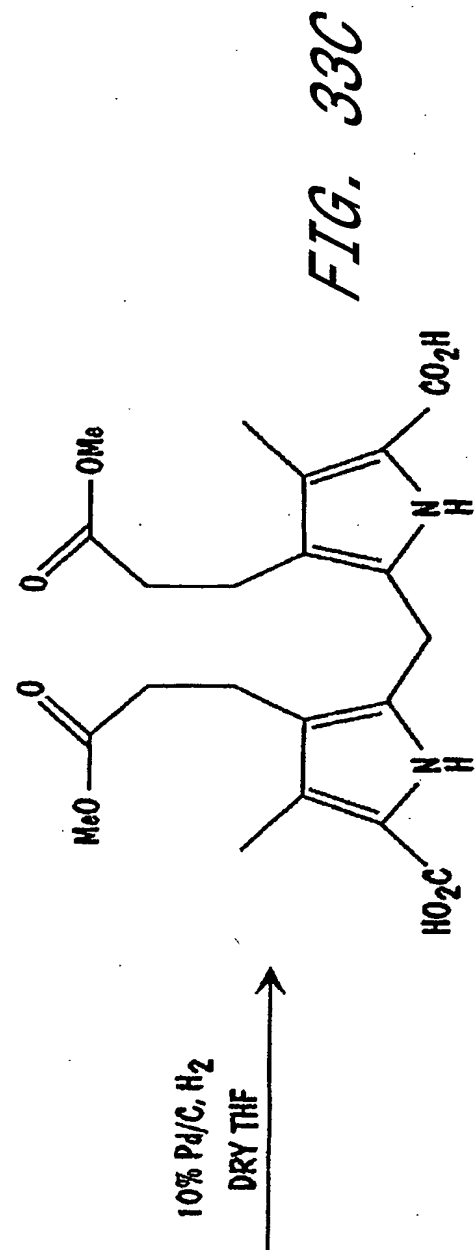
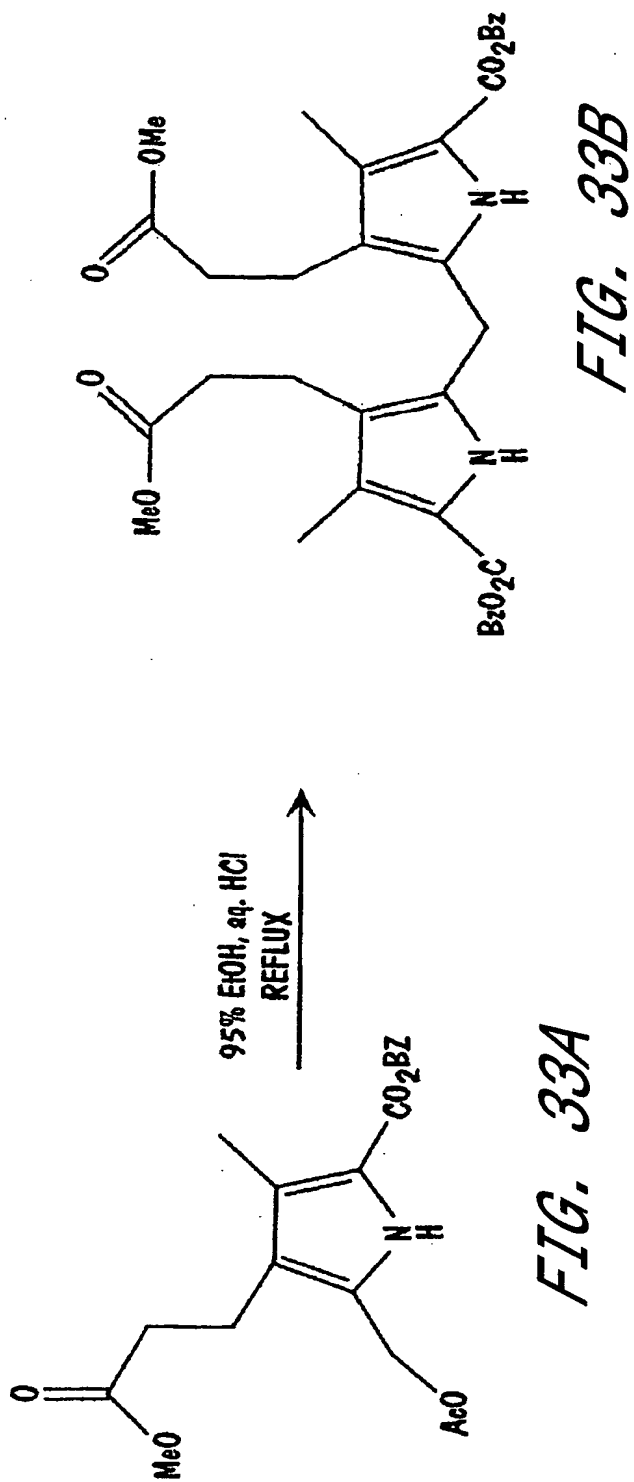
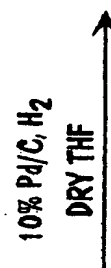
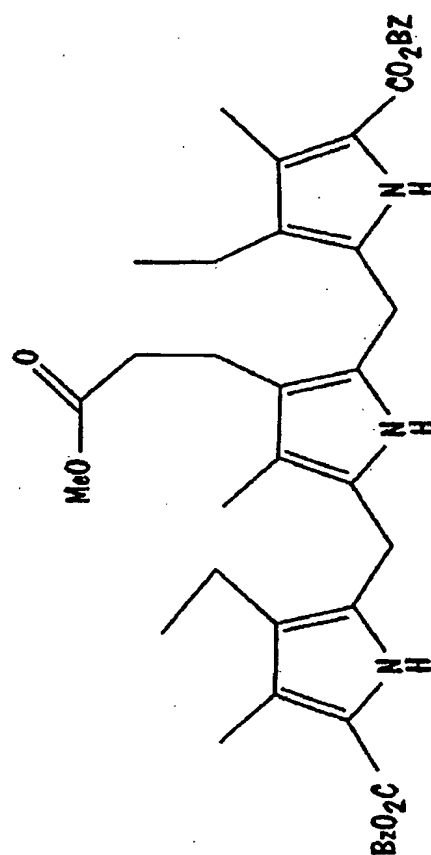


FIG. 32F

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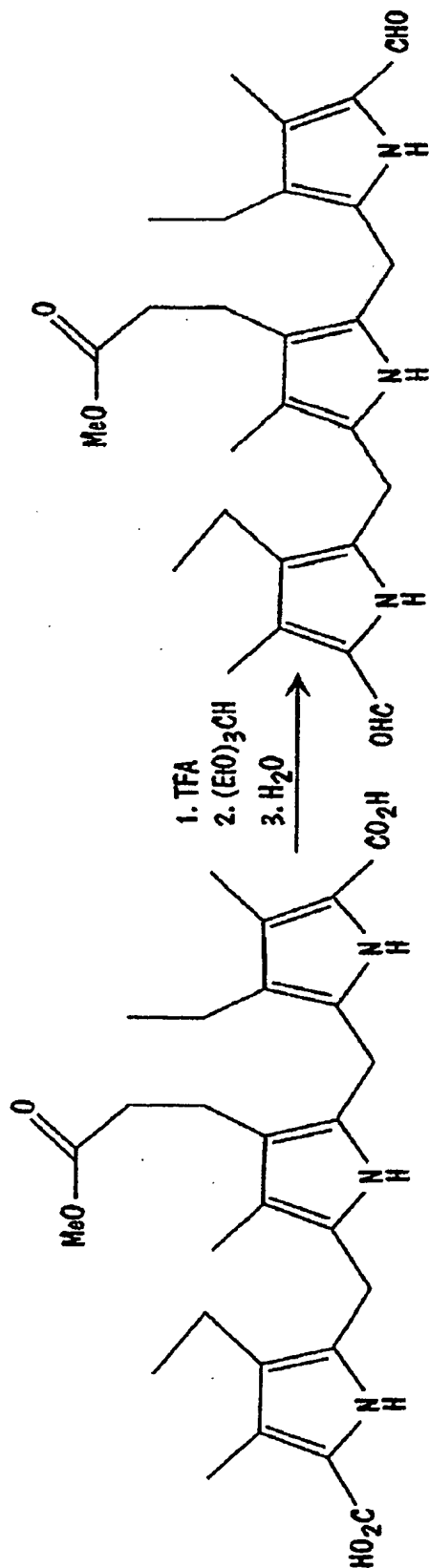


FIG. 33F

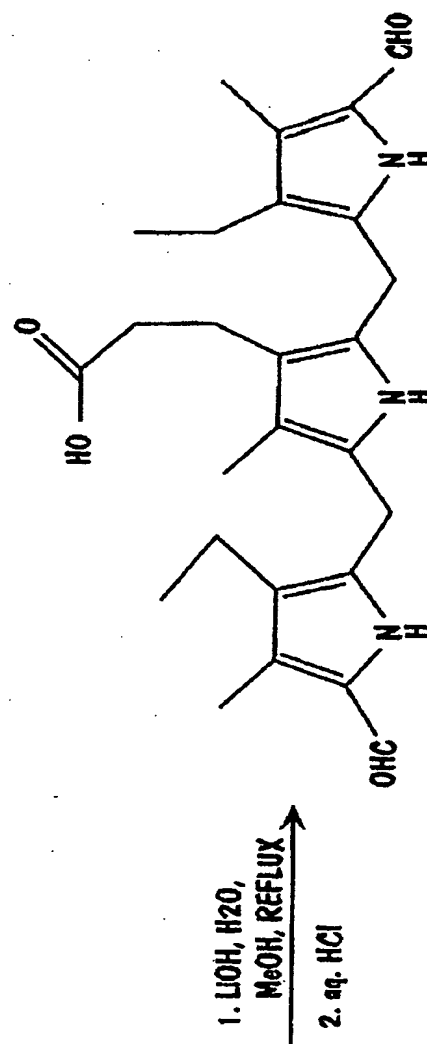


FIG. 33H

FIG. 33G

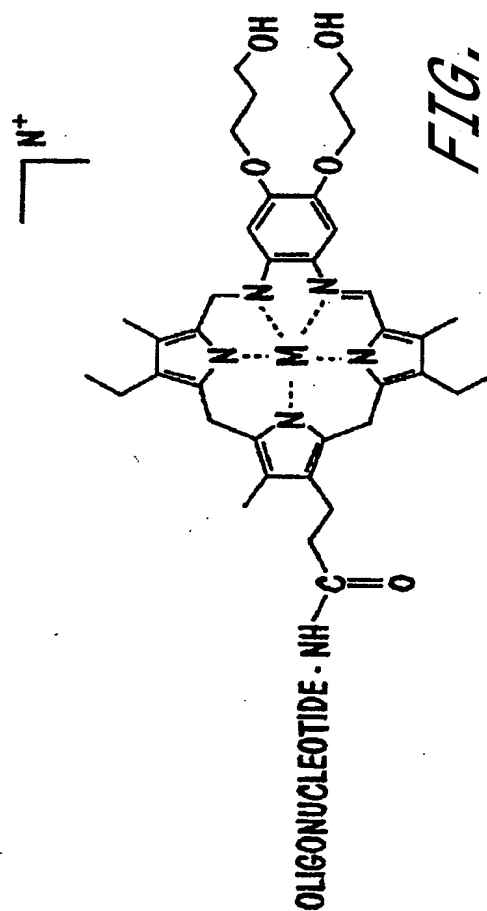
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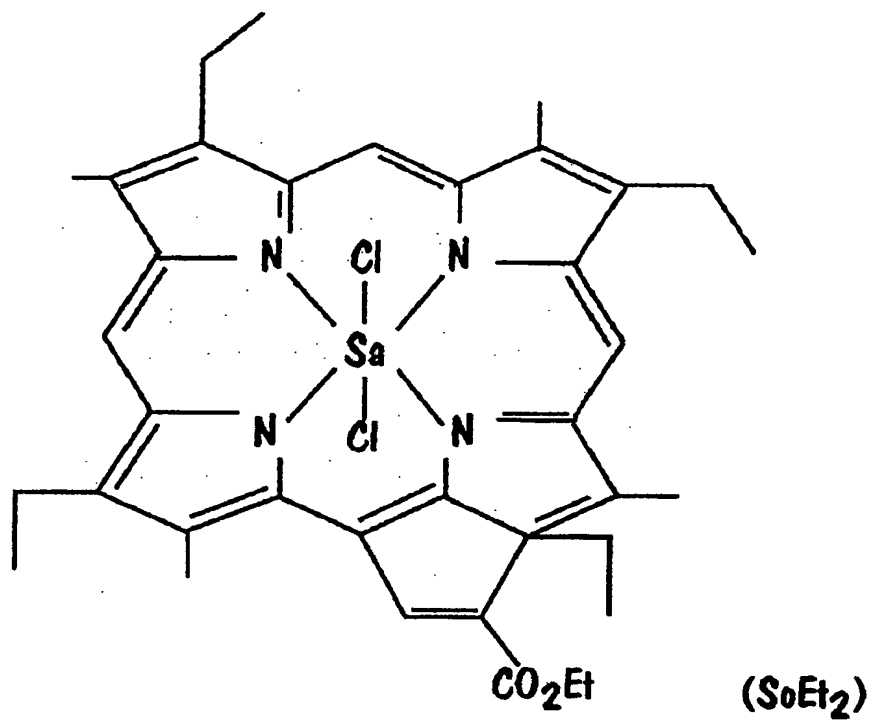


FIG. 34